



The Official Journal of the Foundation For Amateur Radio, Inc.

SEPTEMBER 1999

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**Rules and Regs • ARRL Report • VE Exams Schedule
Public Service Report • DX Column • Regional Hamfests
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Regional Hamfests and Other Events

Sept. 4-5	Greenbelt Labor Day Festival Special Event, Greenbelt, MD	
Sept. 11	Saratoga County RACES Association, Ballston Spa, NY	518-587-2385
Sept. 11	Radio Association of Erie, Erie, PA	814-833-1640
Sept. 11	Triple States RAC, Wheeling, WV	304-242-2509
Sept. 11-12	Kentucky State Convention, Louisville, KY	812-294-4905
Sept. 12	Butler County ARA, Butler, PA	724-282-6777
Sept. 18	Western New York Section Convention, Buffalo, NY	716-424-7184
Sept. 19	Delaware Valley Radio Assn., Trenton, NJ	609-882-2240
Sept. 19	Long Island Mobile ARC, Bethpage, NY	516-520-9311
 Sept. 26	 FAR-Fest, Bowie Baysox Stadium, Bowie, MD	 301-490-3188
Oct. 3	Pack Rats Hamfest, Grange Fairgrounds, Bucks Co., PA	215-271-8898
Oct. 10	CARA Hamfest, Howard Co. Fairgrounds, Columbia MD	410-796-2587

NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. **Visitors are always welcome!** The next meeting will be held September 8th at the Lee Center, Alexandria, Virginia. Take Capitol Beltway to Exit 1 (US 1 North). North to the second traffic light, left on Gibbon Street to Fayette. Left on Fayette to dead end at Lee Center Parking Lot. The meeting is conducted in the conference room near the main office of the center.

**Talk-in on
146.55**



Photo by KD3VR

On The Cover

Pictured on the cover of *Auto Call* this month is Henry Orantis, N3ZUX, happily holding his Prince George's County Science Fair award certificate for taking 2nd place in the physics category. See the story on page 15.



American Radio Relay League Report

By John Swafford,
W4HU

The purpose of The ARRL Letter is to provide essential news of interest to active amateurs promptly and efficiently, and in advance of publication in our official journal QST. The ARRL Letter strives to be fast accurate, concise, and readable. Material from The ARRL Letter may be reproduced in whole or in part in any form, including photo reproduction and electronic databases.—Credit must be given to The ARRL Letter and The American Radio Relay League.

The ARRL Board of Directors unanimously has approved the use of a new identity for the League. Meeting July 16-17 in Rocky Hill, Connecticut, the Board accepted the recommendation of the ARRL Executive Committee to emphasize the initials "ARRL" in conjunction with the tag line "The national association for Amateur Radio." The new identity—which is not a legal name change—will appear on League correspondence and publications. The traditional—and legal—name will be retained but de-emphasized; a new ARRL letterhead design includes "American Radio Relay League" at the bottom.

Further discussion of any possible new name for the League has been deferred until the Board meets again in January.

The ARRL Board also approved a proposal to hold a Hiram Percy Maxim 130-year anniversary on-the-air event in September. The event will mark the 130th anniversary of Maxim's birth, September

2, 1869. It will take place September 2-11.

In other matters, the Board unanimously authorized a mail vote of full members in the proposed new West Central Florida Section, which includes nine counties that now are part of the Southern Florida Section. A group calling itself the West Central Florida Section Committee filed a petition with the League earlier this year to create a third section in the Sunshine State.

Ballots will go out within a few weeks to ARRL members in Charlotte, DeSoto, Hardee, Highlands, Hillsborough, Manatee, Pinellas, Polk and Sarasota counties. Results of the balloting will be reported to the Board on a county-by-county basis. The proposed section is home to more than 2500 League members. If a simple majority of eligible members voting approves the change, the Board will review the entire petition file and vote to approve or disapprove the requested change. That decision is final.

The ARRL Board also discussed the recent Petition for Rulemaking filed by the Central States VHF Society and plans to file timely comments on the proposal. The petition would amend FCC rules to formally segregate wideband and narrowband modes on VHF and UHF bands to eliminate interference from FM and packet in the so-called weak-signal portions of 6 and 2 meters and 70 cm. The FCC has assigned RM-9673 to the SCVHFS petition. Comments are due by July 28.

The League's comments will support the intent of the petition, but the Board unanimously agreed that the petition, as submitted, "does not sufficiently establish a basis for the regulatory relief requested." As an alternative to the CSVHFS petition, the League will suggest doing a better job of educating the amateur community about ARRL band plans. The League also plans to again try to get the FCC to acknowledge that VHF and UHF operation in accordance with ARRL band plans is "good amateur practice" and will seek supporting

Continued on page 7



MEMBER CLUBS

- | | |
|---|---|
| Alexandria Radio Club | Maryland Mobileers Amateur Radio Club |
| AMSAT - Radio Amateur Satellite Corporation | Metropolitan Communications Network |
| Anne Arundel Radio Club, Inc. | Metrovision Amateur TV Club |
| Antietam Radio Association, Inc. | Mid-Atlantic DX & Repeater Association |
| Arlington Amateur Radio Club | Montgomery Amateur Radio Club |
| Baltimore Amateur Radio Club | Mount Vernon Amateur Radio Club |
| Baltimore Radio Amateur Television Society | National Capitol ARES Council |
| Calvert Amateur Radio Association | National Capitol DX Association |
| Capital City Amateur Radio Society | Naval Research Laboratory Radio Club |
| Capitol Hill Amateur Radio Society | Northern Virginia FM Association |
| Carroll County Amateur Radio Club | Ole Virginia Hams Amateur Radio Club |
| Central Maryland Amateur Radio Club | Opequon Radio Society |
| Charles County Amateur Radio Club, Inc. | Potomac Valley Radio Club |
| Cheese Hollow Amateur Radio Society | Prince George's County ARES/RACES Quarter |
| Columbia Amateur Radio Association | Century Wireless Association, Inc. |
| Dulles Amateur Radio Group | Baltimore Chapter #20 |
| Electronic Communications 2000 | Vic Clark Chapter #91 |
| Fauquier Amateur Radio Association | St. Mary's County Amateur Radio Association |
| Frederick Amateur Radio Club | Shenandoah Valley Amateur Radio Club |
| Green Mountain Repeater Association | Silver Spring Metro Center Amateur Radio Club |
| Hanover Area Hamming Association | Southern Maryland Amateur Radio Club |
| Historical Electronics Museum | Stafford Amateur Radio Association |
| Amateur Radio Club | Sterling Park Amateur Radio Club |
| Laurel Amatur Radio Club | T-MARC, Middle Atlantic Repeater Council |
| Leisure World Amateur Radio Club | Vienna Wireless Society |
| MD/DC MARS (Navy Marine) Association | Voice of America Amateur Radio Club |
| MADRAS | Washington Adventist Amateur |
| Maryland Emergency Phone Net | Radio Association |
| Maryland FM Association, Inc. | Woodbridge Wireless, Inc. |

compliance efforts by the FCC.

IN OTHER ACTIONS, THE BOARD:

- * directed Executive Vice President David Sumner, K1ZZ, to study the development and implementation of electronic QSL submittals for ARRL sponsored awards.

- * directed Sumner to develop and implement strategies to induce developers "and others who have influence in these matters" to relax restrictive covenants pertaining to Amateur Radio and antennas "so that Amateur Radio activities might be broadly accommodated."

- * heard "A Vision for Amateur Radio: Progress Report" from Sumner that addresses where Amateur Radio will be in 2010 and the challenges the League and the hobby will face.

- * officially recognized "the historic and benevolent contributions of the National Traffic System and its operators to the ARRL and the public service program," on the occasion of NTS's 50th anniversary.

- * directed the Headquarters staff to review the effects of contest rules pertaining to rovers and to make recommendations for promoting the participation by rovers.

- * presented a National Certificate of merit to Nate Brightman, K6OSC, "for his dedicated efforts" that have resulted in continuous operation of the W6RO station aboard the Queen Mary by an Amateur Radio staff of more than 100 volunteers.

ARRL BOARD NAMES AWARD WINNERS

Elisabeth Price, KC8ALW, of Worthington, Ohio, is the winner of the Hiram Percy Maxim Memorial Award for 1998. The Maxim Award goes annually to an amateur under age 21 who has demonstrated exemplary ham radio contributions and accomplishments. The selection was approved

over the weekend when the ARRL Board of Directors met in Rocky Hill, Connecticut.

Beth, who's 17, has been actively involved in the Central Ohio Amateur Radio Emergency Service and assists with emergency communication at the annual Columbus Marathon. She also is an active member of the Capital City Repeater Association and the Central Ohio Radio Club.

Aside from her operating activities, Beth is an accomplished writer, and her articles promoting Amateur Radio have been published in various newsletters and magazines. Last July, Beth created an interactive Amateur Radio story on the Web at a site known as CyberYam (<http://www.qsl.net/kc8alw>).

The ARRL Hiram Percy Maxim Memorial Award carries a \$1000 stipend, and engraved plaque and a trip to an ARRL convention for the formal award presentation.

The Board also announced winners of several other ARRL awards. Named as the Herb S. Brier Instructors of the Year were Jerry Paquette, WB8IOW, of West Union, Ohio, and Roland Anders, K3RA, of Elkridge, Maryland. Competition was stiff for this award, and two instructors nominated obtained near-perfect scores from our educational advisors. So the 1998 award was presented to two excellent instructors!

The recipient of the 1998 Excellence in Recruiting Award is David Timoshik, WA6AYI, of Winnetka, California, where he's been recruiting amateurs for 36 years.

Barbara Pederson, KE4JZM, of Chapel Hill, North Carolina, is the winner of the 1998 Professional Educator of the Year Award. Pederson teaches ham radio to her sixth, seventh, and eighth grade students.

Winner of the Philip J. McGan Memorial Silver Antenna Award for 1998 is Peter Coffee, AC6EN,

Continued next page

of Torance, California. As an ARRL Public Information Officer for the Los Angeles section, Coffee's public relations activities range from placing stories about Amateur Radio in his local, national and regional press to introducing ham radio to local school students.

Doug Smith, KF6DX, of Sedona, Arizona, was named to receive the ARRL Doug DeMaw, W1FB, Technical Excellence Award. From March to September 1998 QEX, the ARRL forum for communication experimenters, published Smith's series, "Signals, Samples and Stuff: A DSP Tutorial." The series made such an impression that Smith subsequently was named to be the magazine's new editor! By the way, Smith led the team that designed the Kachina 505DSP PC-controlled HF transceiver.

CQ EDITOR ALAN M. DORHOFFER, K2EEK, SK

CQ Editor Alan M. Dorhoffer, K2EEK, died July 19 from complications of cancer surgery. He was 61. Dorhoffer, who'd served as editor of CQ for nearly a quarter-century, had spent his entire professional life at the magazine. He started as an assistant editor in 1964 and became the magazine's tenth editor in 1976. He'd been a co-owner of the magazine since 1979.

A ham since his teenage years, Dorhoffer, who lived in Port Washington, New York, concentrated his activity on his favorite band, 10 meters. At CW, he tried to focus on the "people" aspects of Amateur Radio. "Ham radio is people interacting with other people," he wrote in the magazine's 50th anniversary issue, and on the things people do with Amateur Radio. "The act of doing, whether it's contests or awards, that's been my outlook."

CQ Publisher Dick Ross, K2MGA, said Dorhoffer had been like a brother to him for more than 42 years. "We'd butt heads from time to time on editorial matters, but that in no way diminished our mutual love and respect," Ross said. "Hew was always there for everybody."

ARRL Executive Vice President David Sumner, K1ZZ, was among those saddened to learn of Dorhoffer's passing. "He was a respected colleague and well known to all of us who travel the convention and hamfest circuit, he said. "It's difficult to picture the circuit without him."

Dorhoffer's illness was diagnosed only a week or so before he succumbed to it. He was not married at the time of his death and had no children, but he is survived by an "extended family" of more than a million close friends—the world's Amateur Radio community.

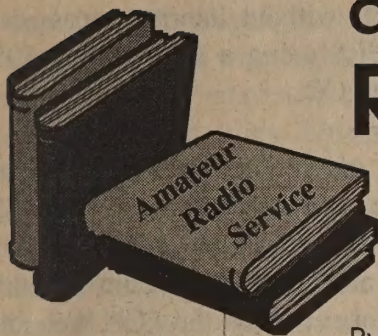
Services and committal were July 22. Sumner, ARRL, First Vice President Steve Mendelsohn, W2ML, and ARRL Publications Manager and QST Editor Mark Wilson, K1RO, were among those attending.

IN BRIEF:

Field Day pins demand exceeded the supply: The ARRL Field Day 1999 pins have proven to be so successful that the initial supplies have been depleted. The original order of 1000 disappeared from ARRL's stockroom before Field Day. Another 500 were snapped right up shortly thereafter. Those who have ordered, but not yet received, one of the attractive FD pins may have a slight wait. The League continues to take orders and will reorder pins after the Field Day log submittal deadline passes on July 27. The pins are \$5.

* Louisiana PRB-1 bill signed by governor: Louisiana Gov Mike Foster has signed PRB-1 legislation (House Bill 2088) to limit the control of local jurisdictions to regulate Amateur Radio antennas. The measure takes effect August 15. Louisiana Section Manager Lionel "AL" Oubre, K5DPG, has expressed his thanks and appreciation to all who helped make the bill a reality. It passed both chambers of the legislature unanimously.— thanks to Chris Vincent, W5CTV

Rules and Regs



By Jack Kelleher
W4ZC

THE OLD ORDER CHANGETH - ULS HAM RADIO PHASE-IN PERIOD BEGINS AUGUST 8 (ARRL NL v18 #30 7/30/99)

The FCC begins phasing in the Universal Licensing System for the Amateur Service August 8 at 4 PM Eastern Time. That's when the FCC stops accepting new or upgraded licensee data from Volunteer Examiner Coordinators under the current amateur licensing system.

The ULS ushers in an era of electronic, interactive filing and handling of Amateur Radio applications. Being phased out under ULS is the familiar paper FCC Form 610 series. A "universal" Form 605—primarily designed for electronic use but also available on paper—will take its place.

A July 23 FCC Public Notice says the Wireless Telecommunications Bureau will begin using the ULS for the Amateur Service on August 16. Existing Amateur Radio licensing data will be transferred into the ULS database during a week-long phase-in period. During the phase-in period, the FCC will not process new or upgraded licenses.

Electronic filing of Amateur Radio license renewals using FCC Form 900 ends August 9 at 9 AM Eastern Time. Electronic filing of vanity call sign application Form 610V terminates August 13 at 5:30 PM Eastern Time. Hams should not attempt

to file renewal or vanity applications until the ULS comes up August 16.

Starting August 16, hams registered in the ULS may file the new FCC Form 605 electronically at any time of day, seven days a week. FCC Form 605 will be used for license renewals, modifications, cancellations, vanity call sign application, application withdrawals and amendments, as well as requests for duplicate licenses and administrative updates (i.e., a change of address or other clerical license modification). Applications for new or upgraded licenses will continue to be filed through a Volunteer Examiner Coordinator.

Automated processing of electronically filed applications will occur nightly each business day, but five days a week instead of seven. There will be no weekend processing under the ULS. The FCC has warned that applicants should anticipate processing delays during the first couple of weeks the ULS is in effect.

The FCC will stop accepting most Form 610 applications next February 16, but club station Form 610B will continue to be valid beyond the six-month transition window to allow time for the FCC to implement new handling procedures.

Among the advantages of the ULS, the FCC says, are fast and easy electronic filing, improved data accuracy through automated checking of applications, and better electronic access to licensing information. One feature of the new ULS is a renewal reminder sent 90 days prior to a license's expiration date. ULS also will simplify the process of submitting fees to the FCC, and the FCC said it anticipates that the ULS will be capable of accepting credit card payments on-line in the near future.

Registration in the ULS is required. Applicants should use FCC Form 606 for both electronic or manual filing. To register on-line, visit <http://www.fcc.gov/wtb/uls/> and click on "TIN/Call Sign

Continued next page

Registration." A paper FCC Form 606 is available at <http://www.fcc.gov/formpage.html> or from the FCC's Forms Distribution Center, 800-418-3676.

The FCC will not process future license grants, upgrades, modifications or renewals for any applicant not registered in the ULS. Individuals eligible to hold a Social Security Number must provide this number to the FCC in order to be registered in the ULS.

A copy of the July 23, 1999 Public Notice is available at <http://www.fcc.gov/wtb/uls>. Additional information on ULS will appear in the Washington Mailbox column in the September issue of QST.

FCC SAYS TELEPHONE NUMBERS OPTIONAL FOR ULS (ARRL Bulletin 042)

The FCC has clarified that Amateur Radio applicants using the Universal Licensing System don't have to provide a telephone number or e-mail address as long as they provide a valid US mailing address. But the Commission has yet to provide a convenient way for ULS electronic filers to get around having to supply a telephone number. The clarification was contained in a recent FCC order that addresses various issues for reconsideration in its ULS proceeding. The FCC says it considers it "reasonable" to request telephone numbers and e-mail addresses but that the data will be optional for hams.

As currently configured, the ULS still requires applicants to provide a telephone number in order to register, but not an e-mail address. An FCC spokesman told the ARRL recently that applicants lacking a telephone number could use a business telephone, the telephone number of a close friend or relative, or just fill in the field on the electronic form with zeros.

When the FCC implements the Universal Licensing System for the Amateur Service August 2, registrants will be required to supply a Taxpayer Identification Number (TIN—typically your Social Security Number) in order to register and be asked

to supply a telephone number. The paper FCC Form 610—being phased out in favor of the new Form 605—already requests a daytime telephone number. Applicants without Internet access can register on the ULS using a paper Form 605, available from the FCC.

The question of whether or not telephone numbers that have been provided to the ULS will be made part of the public licensee database is "still being reviewed," an FCC spokesperson said this week. Current information on the FCC Web site suggests that telephone numbers provided to the ULS will be available in the public ULS records.

ULS registration is required in order to receive FCC services in the future. To register, visit <http://www.fcc.gov/wtb/uls/> and click on "TIN/Call Sign Registration."

HAMS SEEK NEW BILL TARGETING ILLEGAL CBERS (ARRL Ltr v18 #27 7-9-99)

Legislation to permit local authorities to crack down on illegally amplified CB transmitters is poised for reintroduction in the 106th Congress. According to an early draft of the bill being worked on by Rep Vernon Ehlers of Michigan, the new legislation would permit state or local governments to pass and enforce laws prohibiting unauthorized Citizen Band radio equipment. Direct enforcement of telecommunication matters is usually considered a federal responsibility, and state and local authorities ordinarily don't step in except in particularly serious cases such as interference with aircraft or police and fire communication.

As outlined in Part 95 of Title 47 of the Federal Regulations, illegal equipment would include CB gear that isn't type accepted, that has been internally modified, that exceeds transmitter power output limits, or that is equipped with an external power amplifier.

Ehlers says that he became interested in the

Continued next page

issue when a group of amateurs in his district complained to him about CB enthusiasts using transmitters equipped with high power linear amplifiers. The illegally amplified CB radio signals were interfering with legitimate ham radio gear, as well as with televisions, telephones and other consumer electronics. Ehlers' district is in the Grand Rapids area.

The bill is patterned after S. 608 introduced in the last session of Congress by Wisconsin Sen Russell Feingold and substantially modified at the ARRL's request to protect law-abiding Amateur Radio operators. The Feingold bill had been introduced at the request of municipal authorities in Beloit, Wisconsin, who had been unable to stop illegal CBers driving Beloit residents crazy with RFI. Ehlers also introduced similar legislation last session.

The new Ehlers bill contains provisions specifying that possession of an FCC license in any service—including the Amateur Service—would preclude action by the state or local government.

ARRL originally requested that section be added to the Feingold bill so that hams would not be inadvertently targeted by local authorities lacking the technical expertise to differentiate between amateur and CB gear. ARRL also requested that the bill require the FCC to provide technical guidance to states and municipalities and that it outlines an appeals mechanism for individuals affected by such laws. The ARRL changes were included in a draft of the Ehlers legislation League officials reviewed.—

ARRL ISSUING IARPS: (ARRL Ltr v18 #27 7-9-99)

International Amateur Radio Permits (IARPs) for US Amateurs are being issued by the ARRL. The IARP permits US licensees to operate in Argentina, Brazil, Peru, Uruguay, and Venezuela without having to obtain a special license. The

IARP is valid in any country that is a signatory to the CITEL Amateur Convention. The Class 1 IARP—available to Tech Plus and higher class licensees—carries all operating privileges. The Class-2 IARP—equivalent to the US Technician ticket—carries all privileges above 30 MHz. An IARP is not a license, but it certifies the existence of a license.

Applicants must submit a formal IARP application from ARRLWeb (visit <http://www.arrl.org/field/regulations/io/#iarp>) or the information the application requests, plus a photo ID, a copy of a current Amateur Radio license, a photo (from 1.0-inch to 1.5-inch square) and a \$10 processing fee (for rush delivery add \$10 for a total of \$20) to ARRL-IARP, 225 Main St, Newington, CT 06111. The IARP is valid for one year or until FCC license expiration, whichever comes first

RULEMAKING ASPECTS OF ARRL BOARD MEETING July '99 (ARRL Bulletin #47, 7-20-99)

The ARRL Board discussed the recent Petition for Rulemaking filed by the Central States VHF Society (CSVHFS) and plans to file timely comments on the proposal. The petition would amend FCC rules to formally segregate wideband and narrowband modes on VHF and UHF bands to eliminate interference from FM and packet in the so-called weak-signal portions of 6 and 2 meters and 70 cm.

The League's comments will support the intent of the petition, but the Board unanimously agreed that the petition, as submitted, "does not sufficiently establish a basis for the regulatory relief requested." As an alternative to the CSVHFS petition, the League's comments will suggest doing a better job of educating the amateur community about ARRL band plans. The League also plans to again try to get the FCC to acknowledge that VHF and UHF operation in accordance with ARRL band plans is "good amateur practice" and will seek supporting compliance efforts by the FCC.

FAR Meeting Minutes

July 14, 1999
Alexandria, VA



FAR Executive Vice-president, Al Brown (KZ3AB) called the meeting to order at 8:00 p.m. at Lee Center in Alexandria, Virginia.

The attendees introduced themselves. There were 19 trustees in attendance representing 21 member organizations. They were:

Dan Blasberg KA8YPY LARC/GMRA
Don Kirby KR3A Calvert County ARC
Tim Titus W1TRT CARA
Hugh Katz KB3TB Voice of America ARC
Phil Clark KF4NBP Fauquier ARA
Marcia Miller KD4ITP Dulles ARG
John Swafford N4HU QCWA Chapter #91
Jim Rose N3FEW Southern Maryland ARC
Page Pyne WA3EOP Antietam RA/
Cheese Hollow ARS
Chip Weems W4PBG HEMARC
Wayne A. Koehler KE4PMS SVARC
Ruth Frock KU4WH Ole VA Hams
Tony Young WA3YLO Anne Arundel RC/MEPN
E. Allen Brown KZ3AB Antietam RA/
Maryland Emergency Phone Net
Phil Schroeder KF4AJZ NVFMA
Bill Kamm KC4VXH Vienna Wireless Assoc.
Marry Morris N4TCI Mount Vernon ARC
Ron McCall K3OSX NCDXA
Hugh O Donnell W3FUO Goddard ARC

Secretary's Report - The June minutes were approved with one change: The minutes approved was changed from March to May.

Treasurer's Report - Tim Titus(W1TRT) gave the treasurer's report, and it was approved.

Auto-Call - John Swafford(W4HU) reported that Auto-Call is losing approximately 15 msubscriptions per month. He has received on returned to sender that FAR was charged \$1.91 as apposed to the customary \$.54, John will take this

matter up with the postmaster.

Survivor's Assistance - Tony Young (WA3YLO) reported that he has two new accounts to go with the assorted other accounts he is working with. Tony and John announce that there is still a large collection in Northern Virginia that still appears to be an all or nothing proposition. If you are looking for anything, Tony can be contacted at TonnyY@Juno.com and John can be reached at W4HU@Juno.com.

Scholarship Committee - Hugh Turnbull (W3ABC) was not in attendance. Dan Blasberg(KA8YPY) reported that the scholarship winners have been selected and a list of winners is forth coming, (See attachment).

ARRL Report - Hugh Turnbull (W3ABC) was not in attendance.

FARfest - Al Brown (KZ3AB) reported that prices have been set and tickets are in hand. Tony Young(WA3YLO) requested volunteers to help with setup from noon until dusk on Saturday September 26, and for gate help from approximately 0600-1400 on Sunday September 27. The next FARFest meeting will be held on Wednesday, July 21 at 1900, at the home of Al Brown(KZ3AB).

Old Business: Sales Tax - Tim Titus advised he will contact Chris Imlay on the subject and report back to the representatives.

New Business - Announcements:

Maryland Hamfest - July 25

Laurel ARC- Wednesday, July 28, Riley Holingsworth as guest speaker. Time: 1930, Talk-in on 147.540 simplex and 147.225+.

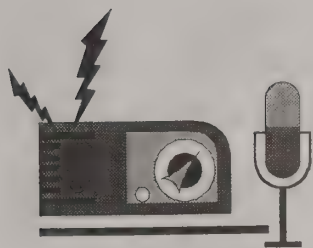
Berryville Hamfest - August 1

MDC QSO Party - Aug 13-14

HEMARC Novice/Technician training class - starts September 28

The meeting was adjourned at 8:50 P.M. The next meeting will be held at Columbia Union College in Takoma Park, MD on Wednesday, August 11. See Auto-Call magazine for directions.

Respectfully submitted,
Daniel C. Blasberg Jr.
KA8YPY



DX DX DX

By John Kanode,
N4MM

20 METER DXCC-DXCC CHALLENGE AND DXCC MILLENNIUM AWARDS TO START JANUARY 1, 2000.

At the recent Membership Services Committee meeting, which was held in July in Rocky Hill, Connecticut, the details on the implementation of these three new DX programs was decided. The DXCC 2000 Award was renamed The DXCC Millennium Award, however the rules for obtaining the award are the same. One has to work 100 DXCC Entities after January 1, 2000 @0001Z and before December 31, 2000 @2359z. QSL cards are not required. To apply for the award, sent in the completed application form certifying that you have worked the 100 or more entities and \$10.00 for the special Millennium Certificate. There are no endorsements of any kind for this award.

The new 20 meter DXCC is the first step to add the four new band DXCC's to the existing program. 17, 15 and 12 meters will be added later in 2000 and 2001. This DXCC is like the existing single band DXCCs except deleted entities will NOT be credited. Beginning with DXCC reports returned August 1, 1999 and thereafter, reports will contain 20 meter information. Due to computer upgrades and changing software at the DXCC over the past years, the following applies. Participants may make request for certificate and pin after January 1, 2000. For those with a 5 Band DXCC issued before April 1, 1992, up to 100 20 meter cards may be submitted with no per card charges applied if the applicant does NOT already have 100 current credits on 20 meters. Example—You have a 5 Band DXCC dated September 1983, but have since submitted 30 current cards for 20 meters, you may submit 70 cards to bring your total

up to 100 at no per card charge. The new band awards will be dated but not numbered.

The highlight of the new DXCC Program is the DXCC Challenge. This program will be the ultimate test of the DXer's abilities and flexibility. It is the accumulation of credits for all eligible bands within the DXCC Program, based upon the current listings only. The standing is calculated from the total of the number of eligible current entities on each of the eligible bands and is listed as a number only. The standing is calculated annually with a submission received deadline of September 30 of each year. For qualification, participants must be the holder of a 5 Band DXCC.

A plaque will be offered for 1500 DXCC Challenge credits with endorsement bars for 2000 and 2500. The DXCC Challenge will begin on January 1, 2000 @0001Z and include the bands 160-80-40-20-10 and 6 meters. The 17, 15 and 12 meter bands will be added later in 2000 and 2001.

The Clinton B. DeSoto Cup will be awarded to the leader of the DXCC Challenge each year. Only one cup will be awarded per individual during his lifetime. The cup is named after Clinton B. DeSoto who wrote the definitive article describing the DXCC program in QST in 1935.

The DXCC Challenge is going to be "THE" DX Program for the new millennium.

UPCOMING DX CONTESTS

WAE SSB Contest	Sep 11-12
CQ WW RTTY DX Contest	Sep 25-26
Hiram P. Maxim 130th Birthday	Sep 2-11

TIDBITS

The 3CØR Annobon DXpedition is scheduled for September 1999. The exact dates will be announced later. They have all the necessary paperwork and visas in hand. The exact dates will be announced when they are confirmed. Getting to

Continued next page

DX DX DX, from previous page

Annobon is not an easy task. They will have four operators and four stations on the air. This DXpedition is sponsored by the Lynx DX Group from Spain.

The St. Peter and St. Paul Rocks DXpedition is also scheduled for late September or early October. The Brazilian Navy will be taking the two operators to the islands and they will be there 10 days in a wooden shack. They plan all bands except 160. Space on the islands is limited and rough. The calls to be used are ZX05K on 558 and QSLs go to P57KM and ZW05P on CW and QSLs go to PT7AA.

There is talk of a possible Laccadives/Lakshadweep VU7 DXpedition this Fall. More info as it becomes available.

DJ4ZB will be operating from Chatham Island using the call, ZL7ZB or ZM7ZB. He plans to be there in February and March of 2000.

There is a new station being built in Tunisia. The call 3V8TS has been issued to the Tunisian Scouts.

There will be some interesting DX programs at the Virginia State ARRL Convention which will be held in Virginia Beach, Virginia on September 18 and 19. For details look at <http://www.vahamfest@exis.net>.

MARS Report

By Vinny Del Giudice WB2KQG/AFA2MI

Virginia USAF MARS mourns the passing of veteran radio operator Arthur Blake, AFA2CZ of Richmond. Art, who just turned 49, died of a heart attack June 8. He is survived by his wife, Joyce, and daughter, Erin.

"Art was a great friend to all of us and his contributions to the MARS program were many," said Major Everett Worrell, USAF (Retired), AFA2VA/AFF2F. "He will be greatly missed."

Art played an influential role in procuring a site atop the Richmond federal building for the USAF MARS 2-meter repeater, Worrell said.

In early June, Army, Air Force and Navy-Marine Corps MARS affiliates participated in a joint service field day propagation test. A number of MARS stations were active along the East Coast on 7 megahertz using both emergency and commercial power.



MARK YOUR CALENDARS ! ! ! !

FARFEST

**SUNDAY, SEPTEMBER 26TH
AT PRINCE GEORGE'S STADIUM
BOWIE, MARYLAND**

See details in this issue of Auto Call !

13 Year Old Amateur Wins Physics Award

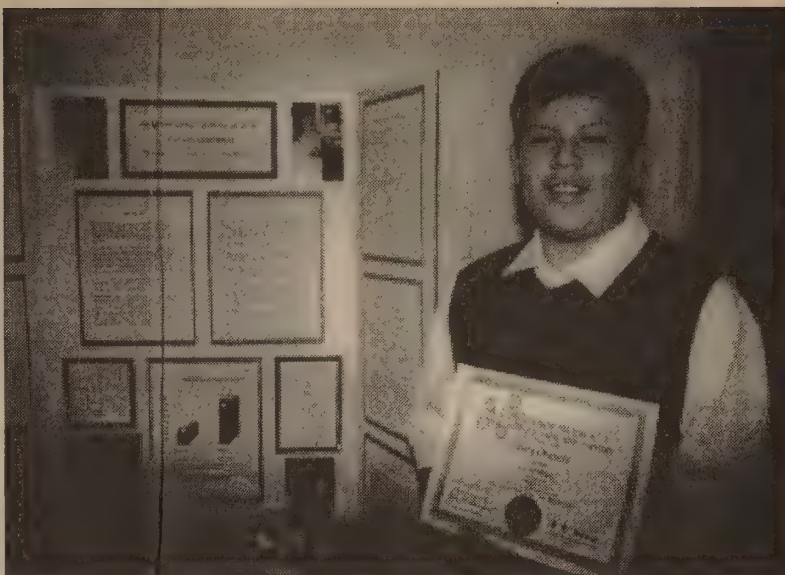
By Murray Green, K3BEQ

N3ZUX, Henry Orantis, age 13, and youngest member of the Green Mountain Repeater Association, Maryland (near Washington D.C.) won Grand Prize and Certificate of Honor for 1st place, (8th grade) at the 3rd Annual Science Fair, Thomas Johnson Middle School, Lanham, Maryland on March 4th 1999.

He then went on to win Second Place Award at the Prince George's County, (Maryland) wide 51st Science Fair, Physics Category, Junior Division. Henry's exhibit was a Pulse Frequency Modulation Infrared Lightwave Transmitter and Receiver system

Having researched the subject, Henry designed and built the receiver, transmitter and handheld electric condenser microphone. In addition to the hardware, he conducted and documented 4 experiments: (1) how far the units would communicate without the use of additional material, (2) how far it would communicate with the aid of focusing lenses, (3) what type of material would pass infrared light and (4) determine if light would bend around objects using mirrors.

The judging for the exhibit was based on two criteria. First, the exhibit itself and the extent to which it tells a story, can be reviewed and quickly



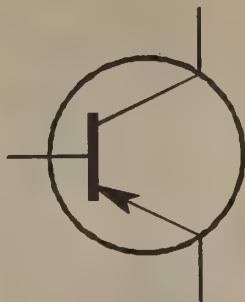
summarized, uses proper descriptive material, is neat, well arranged and attractive. Secondly, the oral presentation which was based on the extent to which the student can orally explain the project, answer questions and demonstrate thorough understanding of the project. The judges were adults and experts in the field of physics.

When not doing extra curricular projects and homework, Henry operates on the Association's two repeaters (146.610 and 146.880) serving the Washington D.C. area. This is one fine young man and, I believe, indicative of the youth entering the amateur radio community. Congratulations Henry, we are all very proud of you.

Henry was born in El Salvador in 1986 and presently resides with his parents in Lanham, Maryland just outside of Washington D.C. He received his Technician Class license in 1997. His mentor and neighbor is Joseph Nunemaker, KD3VR.

Do you have a nomination for FAR's Ham of the Month?

Any licensed amateur radio operator in the *Auto-Call* subscription area who has contributed significantly to the amateur community can be nominated. Provide a narrative of 250 to 500 words describing the contributions of the nominee and forward to the FAR Ham of the Month nomination chairman, Tony Young, WA3YLO, at 12016 Long Ridge Lane, Bowie, MD 20715.



Amateur Radio Training

John Forrest WZ4A
6111 Burnett St., Alexandria, VA 22310
(703)971-3905

Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the *Auto Call* publication date (e.g., 25 December for the February issue).

Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703) 644-3920
Anne Arundel RC	Tony Young WA3YLO	(301) 262-1917
Arlington ARC	Mike Callahan NW3V	(703) 241-5618
Antietam Radio Assn.	Robert Long KD3JK	(301) 824-5132
BRATS (Baltimore)	Joe Chidester W3SHZ	(410) 602-0353
Baltimore ARC	HAM-TALK, BARC Voice Mail	(410) HAM-TALK x3835
Central MD ARC	Jim Tilton KD3JA	(301) 552-0012
Charles County ARC	Joseph Sartori WB3IUT	(301)753-6320
Dulles ARG	Michael Weber WB8RDN	(703) 450-2304
Fauquier ARA	Neil Spokes AB4YK	(540) 364-3861
Frederick ARC	Hal Silverman W3HWC	(301) 831-7946
Historical Electronics ARC	Rol Anders K3RA	(410) 796-4792
Laurel ARC	Pud Reaver W3YD	(301) 498-6293
Mid-Atlantic DX Assn.	Michael Vaia, WB8VBW	(301) 738-3861
Madras	Larry Ziecheck, N3GKZ	(301) 984-6113
MD Mobileers ARC	Bruce Colburn AA3KR	(410) 437-1891
Montgomery ARC	Rocky Jones KC4UXO	(301) 216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703) 971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301) 249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703) 361-3091
Pentagon ARC	David Boyd K9MX	(540) 659-6241
St. Marys Co. ARC	Peter Butt WA3UMY	(301) 862-2214
Shenandoah Val ARC	Fred Wetzel W4KRT	(540) 678-0394
Southern MD ARC	Vic Curtis WA3YUV	(301) 888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410) 586-2177
Stafford Adult Ed	Jerry Mullinix AC4HK	(540) 659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703) 430-4149
Tri-County ARC	John Creel WB3GXW	(301) 572-5124
Vienna Wireless	Kurt Wehle, WA4SMI	(703) 534-3905
Woodbridge Wireless	Jim Duffey WD4AIR	(703) 491-3170



Volunteer Examiner Cooperative

JOHN FORREST WZ4A
6111 Burnett St.
Alexandria, VA, 22310
(703) 971-3905

* Volunteer Examiners may refuse to test any applicant who fails to demonstrate to the VE's satisfaction that the memories in the applicant's calculator are empty. If you bring a calculator to an exam, please be prepared to demonstrate that your memories are empty.

* Effective January 1, 1999, the maximum FCC authorized exam fee is \$6.49.

* The FCC now requires Social Security Numbers (SSN's) for all applicants for new licenses, upgrades, and renewals. Please be prepared to provide SSN's at all VE exam sessions.

1999 Schedule of Examinations

September 2 (Thursday)	Martinsburg, WV - Mid-Atlantic DX and Rptr Soc. and Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
September 11 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: John Forrest WZ4A (703)971-3905 Frank Mackey K4EC (703)455-1510
September 11 (Saturday)	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Oscar Ramsey NV3G (301)262-3392
September 12 (Sunday)	Middletown, VA - Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com

Don't forget to bring your license when upgrading!!

September 18 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
October 3 (Sunday)	Landover, MD - DCMARC (W5YI VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 Day, (301)773-2898 Night
October 7 (Thursday)	Martinsburg, WV - Mid-Atlantic DX and Rptr Soc. and Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
October 9 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In New Location This Month Only - Call for Directions Contact: John Forrest WZ4A (703)971-3905, Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Oscar Ramsey NV3G (301)262-3392
	Cumberland, MD - (Laurel VEC) Walk-In Contact: Gay Rembold W3DFW (301)724-0674
October 10 (Sunday)	Middletown, VA - Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In, Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
October 16 (Saturday)	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Fredericksburg, VA - Fredericksburg VE Team (ARRL VEC) Walk-In Contact: Carolyn Cavanagh AC4SK (540)373-0572
October 26 (Tuesday)	Annapolis, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Preferred, Limited Walk-In Contact: Lois Turner (410)647-4178

October 30 (Saturday)	Sterling, VA - Dulles ARG (ARRL VEC) Walk-In Contact: Mike Weber WB8RDN (703)450-2304
October 31 (Sunday)	Hagerstown, MD - Antietam Radio Assn. (ARRL VEC) Pre-Registration Desirable, Limited Walk-In, Contact: George Carpenter N3QFS (301)842- 3130 Bob Long KD3JK (301)824-513
November 4 (Thursday)	Martinsburg, WV - Mid-Atlantic DX and Rptr Soc. and Winchester ARS (ARRL VEC) Pre-Registration Preferred, Limited Walk-In Contact: Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com
November 7 (Sunday)	Landover, MD - DCMARC (ARRL VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 Day, (301)773-2898 Night
November 10 (Wed.)	Winchester, VA - Shenandoah Valley ARC (ARRL VEC) Pre-Registration Preferred, Limited Walk-In, Contact: Fred Wetzel W4KR (540)678-0394 Greg Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 arm@visuallink.com

Amateur Radio Training Classes

NOVICE/TECHNICIAN TRAINING COURSE: The Alexandria Radio Club will present an entry-level amateur radio course directed towards the Novice or Technician license classes. The course will include morse code (CW) instruction. The course will run for 10 weeks starting on 21 September 1999. Classes will be held from 7:00 to 9:30PM every Tuesday evening and will be conducted at the Alexandria Fire Department Training Center located in the Lee Center at 1108 Jefferson St. in the City of Alexandria. Cost for the course is \$30 which includes a book, all training materials and membership in the Alexandria Radio Club. For information, registration, and directions, contact Rich Adamy KA4GFY at (703)644-3920.

NOVICE/TECHNICIAN TRAINING COURSE: The Historical Electronics Museum Amateur Radio Club will present an entry-level amateur radio course directed towards the Novice or Technician license classes. The course will run for 10/12 weeks starting on 28 September 1999. Classes will be held from 6:30 to 9:30PM every Tuesday night and will be conducted at the Museum. The Museum is located at the corner of West Nursery Road and Elkridge Landing Road in Linthicum, MD (next to BWI Marriott Hotel). There is NO charge for the course. For information and registration, call Rol Anders, K3RA at (410)796-4792.



Alexandria Radio Club

Meetings: Second Friday of each month, 7:30 PM at the Alexandria Fire Department Administrative Office (co-located with Fire Station #54), 900 Second St., Alexandria, VA
Nets: Every Thursday at 8:00 p.m. on 147.315 output / 147.915 input. (W4HFH repeater)

Web page: <http://members.aol.com/N4CWP/W4HFH.HTML> (or search on Yahoo: W4HFH or Alexandria Radio Club).

Information: Rich -KA4GFY, 703-644-3920.

First, let me apologize for missing last months AutoCall. The club has been very active over the beginning of the summer. Our major activity, other than bargain hunting at hamfests, was our special event station celebrating the 250th anniversary of the city. We made 147 contacts and have sent out over 35 certificates. Rich, KA4GFY, Harry, N4CWP, Mike KD4LQS and Rick, N4ASX worked mostly 40 and 20 meters and it was a great deal of fun being on the receiving end of the pileup! At times there were as many as three stations calling at the same time. Part of the event was taking the club station to Jones Point Park for the city's big party. We worked 30 foreign stations on 20 meters with 80 watts and Harry's water pipe vertical. Many who watched were very impressed!

On August 14th we set up a demonstration at the Alexandria Irish Festival. This is put on by the same folks who bring you the St. Patrick's Day Parade.

Thanks to the efforts of our Vice President, Shawn, KA3RQR, the club has new shirts, (real collars and pockets, you provide the pocket protector!). Rich, KA4GFY has club hats for sale at the next meeting. He says bring money!

Despite the hot weather, the hamfest season is well underway. Berryville was an unofficial club

meeting with many members in attendance. Some how the members came away without spending their life savings this year!

With Field Day in June, the special event planning in July and in August we had Red, K0RAJ, who gave us a program on the newly rebuilt Metrovision repeater. Or "how to see and be seen on UHF". The club has had a very busy summer.

On September 11th we have our monthly transmitter hunt. Some of our members are getting good at it, so we need more folks in the hunt. The club does issue a prize to the first one to find the hidden transmitter. The only rule is that the hidden transmitter will be inside the Alexandria City limits.

Our schoolmaster, Rich, has put together all of the planning for our first novice /tech class. It will be held at the Alexandria Fire Training Center (in back of the Lee Center) starting September 21st. Cost will include the textbook and necessary materials. The class will go for 12 weeks.

One last reminder, our club meetings are now at the Fire Training Center on the second Friday of each month. Talk-in is on the club repeaters. Rich says he will provide the talk-in on the 1.2 GHz machine!

73 Rick, N4ASX

Chapter X



Society 
of Wireless Pioneers

THE INTERNATIONAL ORGANIZATION
OF PROFESSIONAL RADIO TELEGRAPHERS

For Information Call
(703) 536-9537



Antietam Radio Association

Meetings: First and Third Tuesday of the month at 8 p.m. in the Conference Room at the Washington County Regional Airport, Showalter Road, Hagerstown, Maryland.

Mailing Address: P.O. Box 52, Hagerstown, MD. 21742-0052

Nets: Tuesday 7 p.m. 146.940 MHz.; Wednesday 7 p.m. 447.975 MHz.; Thursday 7 p.m. 147.090 MHz.

Repeaters: 147.09+ and 146.94 -.

Information: Donnie Sue Mulligan/
KB3AOO (301) 582-2984

We only have meetings on the first Tuesday of July and August, we start our two meetings per month in September. Come to visit us soon.

OOPS! My mistake. I didn't check a 2000 year calendar when I wrote the last article for Auto-Call. Our Hamfest is on May 7, 2000, the first Sunday in May at the Hagerstown Community College. The flyers have been changed to show the right date.

There were several members of the ARA that went to the repeater sight and worked on the 147.090 repeater. It is now repaired, THANKS to all the guys that worked on it.

We had our first Washington County Y2K test on July 22, 1999 with Carl Morris/WN3DUG, Jack Willock/W3NHR, Charlie Mulligan/N3MVR, and me from the ARA. There were three of us in the Emergency Operations Center, one in the 911 building with the Washington County Emergency Services Personnel and the 911 operators. The day was interesting, informative, educational and we met and talked with some very nice people. We found some things we need to get repaired, some things we need to talk about, but everything seems to be ready for the new year, as far as we know.

The Cycle Across Maryland went on this week. The cyclist stopped in Williamsport for two days and they will go across Maryland by Friday. Bob Knibb/KSME was at the "lunch break" at Whitetail Ski Lodge Charlie Mulligan and Carl Morris helped Ken/N3JEY with Net Control in Williamsport High School on Wednesday while I sat and talked with several of the CAM workers. I will have to let you know who works with the CAM workers later.

Do you know what a CAMTEEN and his/her mentor is? I didn't until Wednesday when I heard Ken and his wife Barbara talking. I asked Ken first and then he told me to see Tami Lebedevitch. She said there are about 175 members of the Carrollton Bank Cycle Across Maryland Tour in 8 counties that put on events to donate bicycles and helmets for the teens that need to stay in school. They give the teens and younger kids some used bikes and helmets and provide them with a mentor to practice with until the time for the CAM. They donate a new bicycle and helmet to the teen, and if the teen rides across Maryland, then the bike they rode on is theirs. I thought that was so neat, to give the kid a chance for a new bicycle and a new helmet and show him/her what he/she can do. And Tami, Ken, and Barbara said I would be surprised at what can be accomplished with the practice of riding, a new bike and helmet, and all the praise he/she gets.

Until the next time...73, Donnie Sue/KB3AOO



Licensed at least 25 years ago?
And licensed now?

Then you should belong to the
Quarter Century Wireless Association

For information write:
159 E. 16th Ave., Dept F
Eugene, OR 97401-4017
<http://www.qcwa.org>



Arlington Amateur Radio Club

Meeting: Third Tuesday of each month, 7:30 P.M., Red Cross building, 4333 Arlington Blvd., Arlington, VA. Nonmembers welcome!

Net: Tuesdays (except meeting nights), 7:30 P.M., 144.87/145.47 Mhz FM.

Information: Mike Callaham, NW3V @ W3TOM, callaham@tmn.com, (703) 241-5618.

WWW: <http://www.geocities.com/CapeCanaveral/Lab/4306/>

President Jack WA4FXX called the meeting to order at 1940L. Also attending were Alan, KO4ALA, Tom N4BYF, George, KR4MU, Mike KA8OPJ, Dennis, W4PWF, and Mike NW3V.

The minutes of the May meeting as published on the Web page, and the treasurer's report as submitted, were approved.

There was no recent FAR news to share. From ARRL, W4PWF expects no change in license restructuring before September earliest. Also, ULS was delayed a few days; home phone numbers will not be released to the public from the ULS database. The current version of the Arlington antenna ordinance is probably the best that we can expect, similar to the current ordinance. (The big guns won't call it the ordinance ordinance.)

FD99 served purposes of preparation, fellowship, publicity more than points. Thanks especially to KR4MU for arranging food and other logistics.

KE4PKM's membership application was formally accepted (unanimous); his dues will be accepted, too!

Mark calendars for 8/1 (Berryville hamfest), 9/2 (Tuesday 10-2, Y2K drill), 10/24 Marine Corps

Marathon, 10/30 (National Airport drill). This year's SET will probably use 147.15, 147.045, a 440 MHz frequency TBD, and will involve approximately 10 shelters.

After the meeting was adjourned at 2051, KO4ALA discussed roadside emergency traffic handling. (See previous Beacon)
Respectfully submitted,

Mike KA8OPJ, Secretary



Capital City Amateur Radio Society

Meetings: 3rd Saturday of each month at 1200 hours at the Woodridge Public Library, 18th and Rhode Island Ave, N.E., Washington, D.C. Visitors welcome.

Repeater: W3ETX 144.51/145.11 MHz, open.

Nets: Computer Monday at 2000 hrs., Regular net Wednesday at 2000 hrs. RTTY net Thursday 2100 hrs., voice portion 2145 hrs. all on 145.110.

Mailing Address CCARS P.O. Box 92304 Washington, D.C. 20090-2304

Information: Steve, W3ETX, (202) 526-1329 or Joe K3UAL (301) 773-5074 EMail K3UAL_1@Juno.com

CCARS held its Annual Picnic-Splash Party at the QTH of Joe K3UAL in Hyattsville, Md. in July. The affair was well attended by CCARS members and guest. An abundance of goodies were fixed and served by Cheryl XYL of N3UBI and Jeanne XYL of K3UAL. We found out we have three great swimmers in the club: Colin N3UBI, Gus KE3NY, and Bill N3JBX.

Present at the Picnic were Shep WB3KIC, Steve W3ETX, Gus KE3NY and XYL Maria, Willis N3LGB, Joe K3UAJ, and XYL Jeanne, Colin N3UBI and XYL Cheryl Cooley WA3HPS.

F.A.R.FEST '99


September 26, 1999

New Location / New Date

Bowie Baysox Stadium

Bowie, Maryland

¼ mile south of US-50 on US-301



**New
Location**

- AMATEUR RADIO EQUIPMENT
(NEW AND USED)
- ELECTRONIC EQUIPMENT
- COMPUTERS/SOFTWARE
- EXHIBITORS & TAILGATING
- AMATEUR EXAMS ON-SITE
9:00 AM (LAUREL VEC's)

PAVED TAILGATING AREA

NO UNOCCUPIED RESERVED SPACES

TALK-IN

147.105

146.520

GENERAL DONATION: \$5.00 per admission

Tailgate, \$10 per space, requires one General Admission ticket
Tailgating opens to the general public at 6AM

GENERAL INFORMATION: Al Brown KZ3AB, 301-490-3188 or amateur_radio@hotmail.com
All Requests for advance table and space reservations contact:
Mary Morris N4TCI, amateur_radio@hotmail.com, 703-971-3905

"THE ONLY PLACE TO BE SEPTEMBER 26TH"

The Way to FAR Fest Sept. 26th



F.A.R.FEST '99

September 26, 1999

New Location / New Date

Bowie Baysox Stadium

Bowie, Maryland

¼ mile south of US-50 on US-301



**New
Location**

- AMATEUR RADIO EQUIPMENT
(NEW AND USED)
- ELECTRONIC EQUIPMENT
- COMPUTERS/SOFTWARE
- EXHIBITORS & TAILGATING
- AMATEUR EXAMS ON-SITE
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Mary Morris N4TCI, amateur_radio@hotmail.com, 703-971-3905

"THE ONLY PLACE TO BE SEPTEMBER 26TH"



Presents the 22nd Annual
CARA HAMFEST

Sunday October 10, 1999

8:00 AM to 3:30 PM

Howard County Fairgrounds



*** Computers – Amateur Radio – Electronics ***
Amateur Exams will be given at no charge
Hospitality Area – Bring the Family

40,000 Sq. Ft. of Indoor Display Area – Large Outdoor Tailgating Area

Covered Areas for Inclement Weather

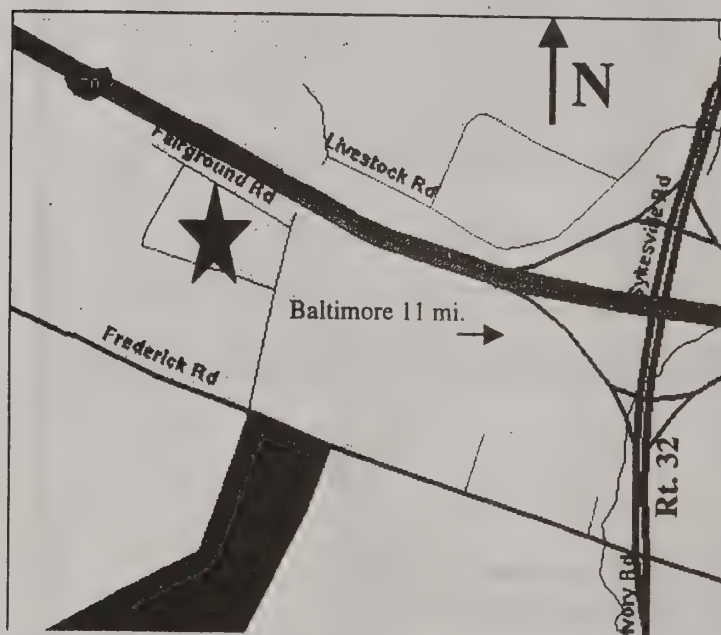
Great food and Refreshments On Site

Many Dealers - Computers & Ham Radio

Proceeds will benefit CARA Scholarship, Amateur Classes and Repeater System
(Including Open Autopatch)

Talk In:
146.52/S
147.135/R-

Talk In:
146.52/S
147.135/R-



Admission Donation: \$5.00 per person

- Unlicensed Spouse and Children free!

Tailgating Donation: \$10.00 per space

- Includes one General Admission per space
- Spaces available on a first come, first served basis the day of the Hamfest

Table Donation: 1-4: \$20.00 ea., 5 & up: \$18.00

Call (410) 796-2587 for Table reservations.

To guarantee your space send your check now!

Gates open at 6:00 AM for Vendors

For Hamfest information write:

CARA Hamfest Committee P.O. Box 911 Columbia, MD 21044

** After Sept. 15th, please phone 410-796-2587 prior to mailing **

Visit our Hamfest Web page at

<http://www.ocbs-nt-server.umaryland.edu/cara/hamfest.htm>

Everett WA3DVO and XYL Pam N3NKG7 Bill N3JBX and XYL Lorna, family, George N3QYV.

The pool and pool games were enjoyed by members, guest and family..

CCARS welcomes our newest member Bill N3JBX. We hope he will enjoy his membership and lend us his professional leadership to the club activities.

Ed W3HQ operation at Provident Hospital, where he spent a few days was a success. Ed is now home resting. We hope to hear him back on the air soon!

73's Joe, K3UAL



Charles County Amateur Radio Club

Meeting: General membership meeting first Friday of every month at 7:30 PM in the Charles County Government Building, Office of Emergency Preparedness (OEP), La Plata, MD. Non-members are very welcome.

Mailing Address: Charles County Amateur Radio Club, Inc., P.O. Box 668 White Plains, MD 20695-0668.

Repeaters: KA3GRW/R, 443.700+, LaPlata, W6QMN/R 145.39+ (PL 7Z), Bryantown, MD

Repeater Trustees: KA3GRW, Mike Tackish W7UH, Bob Adams.

Club Call Sign: K3SMD

Website: <http://www.qsl.net/k3smd>

Information: Mike/KA3GRW (301)609-9298 or Gary/K3GRG (301)645-7465

This has been an incredible month for CCARC. First, congratulations to Lee Flick, N3YWZ, on his election to the position of Secretary and his recent advancement to General. As you will see, Lee is going to make a big improvement in the

club's communications. Thanks, Lee, for taking on this very significant responsibility.

On Thursday, July 22nd, CCARC members participated in the Charles County Y2K Emergency Test. Under Tom's, W3TOM, direction, local net and state net stations along with backup packet were setup in very short order. If you hadn't noticed, we now have an antenna installed on the county office building thanks to the efforts of Tom, our RACES EC and Mr. Don McGuire, Director of the Office of Emergency Preparedness. The antenna works great. During the exercise we were actually able to operate simplex to a number of locations throughout the county, as well as communicating with the state net with no problem. CCARC was specifically recognized for its role in the success of this exercise. We have now set a high standard for ourselves. Out sincere thanks go to Tom, W3TOM, who spent a considerable amount of time planning and preparing the club for its participation. We now have a very viable RACES program. Tom is working on setting up special training sessions so we can be prepared anytime the county may need us. Also don't forget the regular Tuesday net and the Commex on the second Tuesday of each month at OEP.

On Friday, July 23d, CCARC hosted a SKYWARN class at the county government building. We had a good turnout and everyone seemed to walk away with a new appreciation for Mother Nature. As Don McGuire mentioned at our last meeting, he is very interested in CCARC members being training as SKYWARN spotters, who can provide his office with valuable, real time information on local conditions. Thanks to all who took the time to attend.

As mentioned at our last meeting, Joe Sartori, WB3IUT, has agreed to be the CCARC training coordinator. Please have anyone you know that is interested in either an upgrade or new licensing class to contact Joe. Joe and Jim are tentatively planning on conducting a novice/technician class beginning in October. This will allow for anyone who is interested in becoming a ham that visits our booth at the Fair to attend this class. If there is

enough interest, they will conduct a technician/general upgrade class. Please let Joe know if you are. JD, get your VE team ready, it looks like we are going to need them.

On our web site (www.qsl.net/k3w3smd), you will find a copy of CCARC's "target" activities for the next 12 months. These are the major events in which the club is committed to participate. Please mark your calendars for these events. We anticipate there will be other excellent public service opportunities that will come up, like the La Plata Night Out, in which we can participate if enough members are available. Please look over the list, planning committees are being identified for each of these events and each of you is welcome and encouraged to participate. Our next major event is the County Fair, September 16 – 19 where we will need everyone's help. If interested, contact our Activities Manager, Bob, W3LZX, or me. We have a job and a place for everyone. Come out and help your club grow bigger and better.

Speaking of the La Plata Night Out, our thanks go to the members who endured the 101 degree weather to demonstrate Amateur Radio and the emergency services we provide. We established operational packet, HF, and UHF stations as well as an area with the ARRL introduction to Amateur Radio tape and handout materials. A number of HF contacts were made using JD's tape antenna, and Bob's rig. It made for an interesting demonstration and allowed for some of our members to make their first HF contact. The event planners have indicated that they would like us to do it again next year. Watch for details later.

Speaking of events, as you all know, our Field Day activities worked out great this year. We have sent a letter of appreciation to the Fair Board and have asked them for permission to use the site again next year. Scary isn't it; we are planning in advance! Plan on being there next year, we have given everyone plenty of notice. Besides, you would miss a lot of fun if you don't.

Our very successful Field Day, Y2K exercise

participation, Skywarn Training, and La Plata Night Out activities are just the beginning of making CCARC the organization you want it to be. As always, your suggestions and recommendations are welcome. Don't forget our eyeball meetings the first Friday of each month at the Charles County Government Building in La Plata in the Office of Emergency Planning's conference room.

Greg, WA3FSC



Columbia Amateur Radio Association

Club meeting: Every fourth Tuesday of the month at 7:30 p.m. at Bethany United Methodist Church on Bethany Lane in Ellicott City. Monitor net repeater for directions.

Repeaters: 147.735/147.135 (cross-linked to 222.32/223.92). Net Repeater. PL control of 156.7. 147.990/147.390. Open autopatch and direct dial 911. 222.32/223.92 (cross-linked to 147.735/147.135). 443.275/448.275 PL control of 156.7. 444.475/449.475. Autopatch & 911.

Mailing: Columbia Amateur Radio Assoc. (CARA), Box 911, Columbia, MD 21044.

Web Page: <http://www.qsl.net/cara/>

Activities: CARA breakfast: 9:00 a.m. on the second Saturday of the month at Jilly's Restaurant in the Enchanted Forest Shopping Center on Rte. 40. Contact Bob/KC3EV by 6:00 p.m. the day before the breakfast.

Information: Bob/KC3EV, 410-465-2421

Maryland QSO Party

As I write this we are getting ready to participate in the QSO party. We plan to deploy four cars with two operators to canvas the state and operate from every county. At the regular club meeting in July, we made J-Pole antennas to suspend from weather balloons that will fit in the trunk. Our idea is to establish a portable site in the

county; release the balloon with the J-Pole suspended and get on the air very quickly. Planning is most of the battle, and we will be allotting the equipment, balloons and antennas on Saturday, August 14 for a fun weekend.

CARA Club Far Scholarship Winners

We are very proud of three members of the CARA club who won FAR scholarships this year. Dave Wilson (N3OYF), who holds a Technician class license, received the Maryland Mobileers scholarship. Dave graduated from Wilde Lake High School, Columbia in June and will attend the University of Maryland - College Park in the fall. He plans to major in computer engineering. Kristin Pilotte (N3ZDF) is the winner of the BARC Ernie Dobos Memorial Scholarship. Kristin is a physics major at the University of Maryland - College Park and will be a junior this fall. She holds a Technician class license. Edward Cabic (N3IHX) continues his BARC scholarship as he enters his sophomore year at Cornell University in Ithica, New York. Ed has his own radio show on the campus station and remains active in broadcasting. Ed is a Tech +.

CARA Hamfest - October 10

Each year CARA holds its annual hamfest at the Howard County Fairgrounds and this year is no different. Conveniently located off I-70 at Md 32, this hamfest has drawn good vendors and tailgaters from Central Maryland. Mark October 10th on your calendars and plan to join us at our main event of the season. See you there.

de Tim/W1TRT



Reminder - all submissions for



are due no later than
the 1st of the month prior to the
month of publication!!



Electronic Communication 2000

Mailing: Electronic Communications 2000
PO Box 2635, Gaithersburg, MD 20886.

Email: e2@qsl.net.

Web Site: <http://www.qsl.net/e2>.

Club Call: Coming Soon!

Information: Call Jason Foster at 301-208-8663.

Welcome to a new Washington-Metro Area communications club. We have formed in efforts to establish relations between the various communication sectors. These sectors as we see them so far as:

1. Television
2. Radio Broadcast
3. Shortwave
4. Telecommunications
5. Satellite
6. Microwave
7. Amateur Radio
8. Public Service

And of course there are many other forms which will not fall under these categories. We invite you to become a member, and learn how you can contribute.

Current membership consists mostly of Amateur Radio Operators from the eastern areas of the U.S. But we are a small group.

I would like to thank Hernan Hidalgo, N3OKP for helping us to begin building this club. I would also like to thank Fred Bader, K3CSX; John Harris, K3DPI; and many others.

Meetings will soon be established and it looks to held on the first (1st) and fourth (4th) Mondays of each month. Time, around 7pm. We also will

most likely have a social meal before hand at an area food establishment. Meeting place is still yet to be determined, but I suspect something in the lower parts of Montgomery County or Washington, D.C. for central accessibility. Once meetings are established they will be posted on the web site, and posted here in Auto Call. Thank you.

Jason Foster



Green Mountain Repeater Association

Repeaters: *146.61 Cheverly, *146.88 Greenbelt. *(Autopatch).

Information: Don Tinari, W3RYQ, (301) 262-7062.

Mail: P.O. Box 523, Bowie, MD. 20718.

E-mail: mgreen@erols.com.

Socials: Luncheon, 1st Saturday of each month at 11:30 A.M., Laurel Centre Indoor Mall Eatery.

Nets: 146.88 - Old Gent's Net, 9:30 A.M. and 6:30 P.M. every day. Washington Adventist Amateur Radio Association Net, every Thursday at 9:30 P.M.

QST ARTICLE:

The ARRL has accepted for QST publication, an article by your (humble) column editor, highlighting the new Radio-Television Museum in Bowie, Maryland. Entitled, "Build It and They Will Come - A New Radio-TV Museum", we are hopeful it will be published in one of the remaining 1999 issues. The Radio History Society and all those involved in establishing the Museum deserve the publicity and credit for this most spectacular collection of the radio-tv evolution.

If you have not been to the Museum, please do so. You will not regret it. The Museum is open

Saturdays and Sundays, 1-4 pm. Directions: Route 50 to route 197. Proceed south on 197 for about 1 mile, to Mitchellville Rd and turn right. Continue for a few miles and watch for the 3 story RED building/home at the intersection of Mitchellville Rd and Mount Oak Rd. A very small strip shopping center with about 5-6 stores is adjacent to the Museum.

By the way, the Museum is about 3-5 miles from the forthcoming 1999 FARFEST, which for the first time will be held at the Baysox Baseball Stadium in Bowie; just the right distance for a side trip. I believe a booth will be available at the FARFEST for information and directions.

UNLICENSED INDIVIDUAL RECEIVES BIG FINE:

The FCC Enforcement division continues it's tough policing and penalties policy. Recently, they fined a Florida man, \$20,000 rpt \$20,000 for allegedly operating on Amateur radio frequencies, WITHOUT A LICENSE. The individual had 30 days to respond. Local amateurs assisted the FCC in tracking the individual's transmitting signals. I hope in some way, the unlicensed individuals operating our local area repeaters "get the message". If not, it is just a matter of time.

POSITION OPEN ON YOUR BOARD OF DIRECTORS:

There is a vacancy on the Board of Directors that includes the duties of Treasurer. Interested members may contact Don Tinari, W3RYQ, at 301-262-7062 or by email at: donturk@erols.com for details. Please call or email Don by August 11. A computer is necessary. Thanks.

Short column this month. Excessive heat in late July and early August coupled with vacation time, made for limited activity and column items.

Hopefully, by the time you receive this Auto Call, cooler weather will be here.

73 de Murray, K3BEQ



Historical Electronics Museum Amateur Radio Club

Meetings: Second Thursday of each month, 5:30 PM, In the Historical Electronics Museum, West Nursery Road and Elkrige Landing Roads. Linthicum, Maryland (Next to BWI Marriott Hotel).

Info: Nick Yovanovich, K3NY 410-544-5736
Club Station: W3GR.

Mail: P.O. Box 746, Mail Stop 4015, Baltimore, MD 21203.

Web Page: <http://members.aol.com/wk3p/se.htm>

Street address: 1745 W. Nursery Rd., Linthicum, MD 21090.

Dog Days Hamming

Dean Bush, K3KHG reports that he is using a rotary dipole that needs a little work and he is putting off this and all his antenna projects for a cool spell. The weather has been so hot and dry that the trench for the cable pipe from my mini tower to the house remains undug and the half down 160 meter coil dipole is still half down. This is the time to retreat to the basement and do a little operating.

Thank goodness the Maryland/DC QSO party is an in shack event we can all enjoy.

Sammy Bryant, WC3SAM reported a fine but blistering hot BRATS hamfest where he picked up some real good bargains and noted that it was the best tailgating he has seen this season.

Lois Turner, KA3VVQ reminds us to look forward to the fine Hamfest in the shade trees with the fine home style food at Berryville.

The certificates for the 155th Anniversary of the telegraph W3GR special event station are

finally in from the printers and those of you who sent in the postage can expect yours very soon. This one you will want to frame.

Member Achievements of Note

Rol Anders, K3RA has received the ARRL's national Herb S. Brier Instructor of the Year Award. (Note that we caught him in action on the July 99 Auto Call cover.) HEMARC is very proud of Rol and the training he provides. Many thanks also to Tim Titus, W1TRT who did the heavy lifting for the nomination.

Judging from the heavy research Rol is doing on Field Day history in the museum archives (All hams are welcome to use this extensive library of amateur publications,) we expect to find out many fascinating aspects of this fine amateur tradition. He will hopefully explain how Field Day evolved from an emergency drill to a contest and how the scoring system developed and changed over the years.

Rusty Schaffer, N3WKE has been elected Net Manager by the members of the Maryland Emergency Phone Net at their annual traffic handlers picnic and business meeting. Rusty is encouraging all HAMS to give a listen and check in to the MEPN. This net meets each evening at 18:00 local time on 3.920MHz to pass National Traffic System traffic and keep up with what is going on around the state.

If you are interested in CW but a little wobbly on the key check out the Maryland Slow Net which meets each evening at 19:30 local time on 3.717MHz. This net trains traffic handlers and passes NTS CW traffic. This is an ideal way to improve code proficiency and operating practices. Another Reminder of N/T Training Class

Please don't forget to advise anyone who wants to become a novice or technician class amateur of the next training class. This is a second call for this free training class for Novice/ Technician licenses. The classes will be held each Tuesday

for 10/12 weeks at the museum beginning September 28, 1999 from 6:30PM to 9:30PM. Code and theory, 25 Max in class. Information and Registration: Rol Anders, K3RA, 410-796-4792. C U at FARFEST

HEMARC intends to have a table at FARFEST 99 somewhere in the Prince George County (Baysox) Stadium. We expect to have some interesting old artifacts from the museum and some of the stories that go with them. Please drop by and have a chat with us.

73 Chip W4PBG



The Maryland Apple Dumpling Radio Amateur Society, Inc.

Meetings: 2nd and 4th Thursdays - 7:00 P.M.
St. Paul's Church, 10401 Armory Avenue,
Kensington, Maryland 20895.

Clubhouse: MADRAS Clubhouse, 11800
Coakley Circle, Rockville, MD 20852

Nets: 1st and 3rd Thursdays at 9:00 P.M. on
145.45 MHz (PL-5A).

Repeaters: 444.100/449.100 MHz (PL-2A),
145.45/144.85 MHz (PL-5A).

WWW Address: <http://www.3phase.com/madras/>

Mailing: P. O. Box 2468, Wheaton, MD 20902

Information: Leo Boberschmidt W3LEO
(301)946-3738, Jean Blacik N3PLC (301)
984-6114.

Club Call Sign: W3MAD

E-Mail: leob@erols.com

that we spent the time indoors, except for the cooking of the hamburgers and hot dogs.

The festivities began around noon and found us snacking on fresh vegetables and Mexican style munchies. An hour or so later we began devouring hamburgers, hot dogs, assorted salads, relishes, chips and baked beans. Desert consisted of angel food cake, cookies and fresh fruit swimming in brandy. We had the usual nuts, candy, soft drinks and gallons of ice tea. Most of us just rolled out to our cars when the party ended. You can tell a great time was had by all.

Twelve more MADRAS badges were mailed out to the membership who were unable to make the last meeting in June. We also sent out the annual dues letters right after the Picnic/Cookout.

Larry Ziecheck - N3GKZ, is busy working on the 440 repeater and hopes to have it up and running within the next month. Our 2-meter repeater is in excellent condition and covering a wider range.

Congratulations to Hani Raad - AA3EI, who was married on July 24th. We wish you and Nadia a happy and successful life together. We all look forward to seeing you both upon your return to the states.

Mark your calendars for September 9th at 7:00 P.M. We will resume our regular eye-ball meetings on that date. Bulletins will be sent out listing the topics for the 9th and the dinner meeting on the 23rd.

Have a safe and enjoyable Labor Day.

73 Jean - N3PLC

Our annual Picnic/Cookout which took place on July 18th was a huge success. There were about twenty two of us present who enjoyed consuming the gigantic assortment of food supplied by our members. Michele Cimbala - WK3X, once again volunteered her spacious backyard and wonderfully air-conditioned home for this event. With the heat index near 100 degrees, you know



Reminder - all submissions for

AUTO CALL

are due no later than
the 1st of the month prior to the
month of publication!!



The Mid-Atlantic DX and Repeater Association

Meetings: Rotating locations among Hagerstown MD, Frederick MD, Martinsburg WV and Gaithersburg MD.

Net: Thursday evenings at 1930 local on 147.06.

4 State10M net: Wednesdays at 2000 local on 28.315.

Repeaters: Frederick MD: 147.06, 224.20, 448.125; Martinsburg WV: 147.345.

Mailing: 230 North Potomac St., Suite 2A, Hagerstown MD 21740

Information: Voice BBS (301) 416-8447 and (301) 473-4151.

Web Page: <http://www.qsl.net/madra>

E-Mail: madra@qsl.net

"...not with a bang, but a whimper..." is the famous line from a poem most of us struggled with in high school. For MADRA it appears that there was a bang, not too far from the repeater site near Frederick, and a good piece of it made its way over the wires to our equipment. The whimpering came later when we started adding up the costs of the damaged components. Not only did a good bit of the radio gear go down, but also the battery recharging equipment and batteries. So, for the last days of July and the first few days of August MADRA was nearly in a repeaterless state.

Does that mean that, true to our name, we all just switched to chasing DX? Well, that's something you never can really assess as the DXers among us all seem to approach that part of the hobby in very individual ways.

As usual, it was Mike Vaia, W8ABC, Mike Staley, WB3LJK, Bob Miller, N3TXB, John Coleluca, N3TWN, plus one or two others who might have been overlooked, who came through with the hours, parts, tools, funds, and expertise to get the Frederick site back on line. Thank you,

gents, again and again.

By the time you read this it will have been over a month, but full info is now available on SwetFest99. This was our first time with no air-conditioned area on the HamFest grounds at Railroad Square in Brunswick. As usual the downtown stores and the Railroad Museum opened early, giving some air-conditioned space nearby for Hams and families to visit.

Plenty of sunshine and a minimum of workers set the stage as we opened the 'Fest July 10. For a while it looked like it was going to be a real squeeze, with tailgators and buyers pouring in. The few workers who showed up were hard put to handle that early rush. Then a few more workers arrived and things settled down to a slower pace. Rain was reported to us at the talk-in station from many other places but in Brunswick, the sun kept shining nicely, a fact that we emphasized in on-the-air chatter.

Then a gentle shower arrived, just before 10AM. It was Hawaiian rain. You know, the kind of light sprinkle in sunshine that everyone walks around in and ignores. So far, so good. A while later, though, the heavens opened with a slightly heavier sprinkle and we could see vendors and buyers looking often at the western sky. Well, that ended quickly, too, but after another half-hour respite it began to rain in earnest. And our vendors began to pack in earnest, too.

By 11AM SwetFest99 had almost ended. Vendors and buyers were on their way out of the parking lot in a steady stream. Between the rain outside of Brunswick and the rain that finally fell on the 'Fest, we had about 60% of our usual turnout. We didn't lose our shirt, but in 1999 we'll probably be fashionably sleeveless. Oh, well, better luck next year.

If you had a chance to get to the August dinner, you know that The Washington Spy is a great place to eat in Hagerstown. If you're of a mind to join us for the September dinner, it's scheduled for Casa

Rico in Frederick at 7PM on the 9th. Breakfasts just about every week, and usually those are at the Frederick Airport. Come along if you can.

73 DE N2CSQ/3



Montgomery Amateur Radio Club

Meetings: 1st and 3rd Wednesdays of each month at 7:30 p.m., Executive Office Bldg, Montgomery Co. Govt Center, 101 Monroe St, Rockville. Park in underground lot G-2.

Repeaters: 146.955 (-600) & 442.750 (PL 156.7) in Rockville.

Club Net: Every Sunday night at 7:30 PM, on the MARC repeater.

Internet: <http://www.qsl.net/marc>

Mail: MARC, P.O. Box 611, Gaithersburg, MD 20884-0611

Information: Jeff - KZ3F (301) 258-0112

Training: Ms. Rocky Jones (301) 216-5210.

August 4	MARC Meeting	7:30 PM
August 11	MARC BoD	7:00 PM
August 18	MARC Meeting	7:30 PM
September 1	MARC Meeting	7:30 PM
September 15	MARC Meeting	7:30 PM

Thank you again to all the participants and organizers of this year's Field Day. Fun was had by all at the field at Montgomery County Community > College Germantown Campus. Special thanks to Jason, N3PRZ for organizing and heading up the Field Day committee.

The digital committee has made great strides in preparing for our APRS digital node. Several cables have been pulled, yet there is still work to > be done. Please contact Bruce, N8XTX to help out with this important project.

The repeater committee has also been busy

preparing for our upcoming upgrade. Please contact Al, NW2M to volunteer.

The Rockville Rotary Twilight Run volunteer effort was coordinated again > this year by Bob, NK3I. Thanks to all who came out and helped make the > run a safe and successful event.

Respectfully submitted,
Laura G. Reinhold, N3VOL, Treasurer



Ole Virginia Hams Amateur Radio Club, Inc.

Mailing Address: PO Box 1255 Manassas, VA 20108.

Club Call Sign: W4OVH

OVH Repeaters: 146.97-, 224.660-, 442.200+

OVH Packet Nodes: 145.030 (Port 1), 223.540 (Port 3)

BBS: BBSNVA/N4WJN (SYSOP; Bill)

Internet: <http://www.qsl.net/olevahams>

Meeting: Third Monday of every month. Northern Virginia Electric Cooperative Technical Center Gainesville VA.

Weekly nets: Thursday 8pm club net, Sunday 8pm YL talk net.

Information: Mary Lu KB4EFP (703) 369-2877.

Greetings to one and all. It has been many months since the activities of OVH have graced the pages of AutoCall magazine and we are pleased to be back once again. During our absence, we have been busy with many programs and activities. At our June meeting John Kanode/N4MM, the ARRL Roanoke division director spoke about the proposed FCC restructuring of the amateur radio licenses. He estimates there will be 3 or 4 license classes when the restructuring is finally finished. All of us await anxiously for further developments on that front. There was also discussion of the CEPT license which will be good in other countries such as those in Western Europe. Our July meeting

featured a video called "Rescue at Sea", chronicling the role Morse code (or wireless) played in saving the lives of 1500 people during a collision of two ships which occurred in 1909. This video demonstrated the importance Morse code played in saving all of these lives and showed the importance of code as a communication technique under conditions of extreme duress which is a timely topic in light of proposed licensing restructuring and the attempt to downplay the importance of Morse code today.

OVH held its annual Hamfest on June 6th at the Prince William County Fairgrounds. Although attendance was down a bit from previous years, a good time was had by one and all. Many thanks to Jack N4YIC our hamfest chairman for organizing yet another successful hamfest. OVH matched the bake sale proceeds and made a donation to SERVE, a nonprofit organization that provides assistance to those in need in Prince William County. OVH also awarded two scholarships in the amount of \$1000 each to 2 deserving young people: Jennifer S. Lemkul of Osbourn Park HS who will be majoring in computer science at VA Tech and Michael H. King /KF4YYG who will be majoring in Engineering and Applied Science at the University of VA. Congratulations to these two fine young people.

Recently an article was published in our local newspaper, the Manassas Journal, by Jeff/KV4AP about OVH and some of the public service activities that we provide to our community: communications during public events like the annual Manassas Christmas Parade and our involvement with ARES, SKYWARN, and the local Red Cross events.

Field Day was on June 26th and 27th at JS Long Park.. OVH made a total of 568 contacts on SSB and CW during the contest period. A good time socializing and operating was had by all. Many thanks go out to Wes/N5RTY and Bill/N4WJN for organizing a great event and for showing that in the event of an emergency OVH can be ready to handle whatever comes its way as far as providing

emergency communication is concerned.

Our August meeting will feature the Public information officer for the VA Digital Emergency Net (VDEN) giving a talk on the role of digital communications in an emergency situation. It should be an informative meeting and all are welcome to attend. Take care and CU soon.

73 until next time, Ruth KU4WH



Potomac Valley Radio Club

Packet: K3MQH 145.63, K4FJ 145.77, KE3Q 145.57 445.375, N3RR 145.51 441.325, N4OHE 145.71 440.925, N4SR 145.63, W3LPL 145.59 441.25, WR3L 145.61 440.95.

Web: www.pvrc.org & www.pagesz.net/~pvrcnc

Repeater: 147.000(-) Thanks to Ashton RCS
Information: Bob Dannals, W2GG@amsat.org, 410-472-2004 before 9pm and Rich Boyd, KE3Q@erols.com, 301-464-8014.

This column will provide the casual operator with sufficient information to participate in selected HF and VHF contests scheduled during September. Times are given in EDT though any submitted log should be in UTC (Zulu) time. You do not have to be a member of any club or send in a score to enjoy operating in contests and helping others to earn points. For information about contests or PVRC membership, please contact any member or the below editor, K3DI. PVRC is a non-dues club. All Asian DX, SSB.* 3rd 8pm to 5th 8pm. 1.8-30 MHz less WARC bands. Send 59 and your age; ladies send 5900.

ARRL September VHF QSO Party. 11th 2pm - 12th 11pm. 50 MHz and above. Work anybody and exchange grid squares.

Worked All Europe; SSB.* 10th 8pm to 12th 8pm. 80-10 meters. Work only Europeans. Exchange RS and QSO serial number. If an European asks for traffic (messages), he wants call, time, and European station serial number of up to 10 QSOs from your log if the information has not already been reported to a prior European. The easy reply is "I have no traffic for you."

Indiana Bison Stampede.* 11th 2pm - 10pm. CW: 3.55, 7.05, 14.05, 28.12 MHz. SSB: 3.89, 7.29, 14.29, & 28.39 MHz. Exchange: state; IN sends county.

Washington Salmon Run.* 18th 2pm to 19th 3am and 19th 2pm - 10pm. CW: 1.805, 3.55, 7.045, 14.05, 21.05, & 28.05 MHz. SSB: 1.815, 3.925, 7.26, 14.28, 21.38, & 28.38 MHz. Nov/Tech 3.7, 7.125, 21.15, & 28.16 MHz. Exchange: RS(T) and state; WA stations send county.

Atlantic QSO Party (provinces of NB, NS, PEI, NFLD/Lab).* 18th 8pm to 19th 8pm. 1.8-30 MHz no WARC bands. Exchange: RS(T) and state; Atlantic stations send county.

Tennessee QSO Party.* 19th 2pm - 9pm CW: 1.815, 3.54, 7.04, 14.04, 21.04, 28.04 MHz SSB 1.855, 3.90, 7.24, 14.28, 21.39, 28.39. Nov/Tech 3.70, 7.13, 21.14, 28.14, 28.39. RTTY: 3.62, 7.08, 14.08. Also VHF+. *We work only stations in the host state, province, or continent.

73, Dick Wilder, K3DI, 410-757-6706, wilder@clark.net, or via the above packet network.

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Quarter Century Wireless Assn. Chapter #91

Meetings: Neighbor's Restaurant, Cedar Lane and Park Street, Vienna, VA; third Saturdays; Noon. Business/Program Meetings: Odd-numbered months. (Come at 11:30 to chat; program begins at noon.) Informal/Ragchew Meetings: Even-numbered months.

Newsletter: Bi-monthly to all members.

Information: Jim Wilcox (W3WV), Publicity Chair; 3442 Surrey Lane, Falls Church VA 22042; 703-560-0757. Also on the VHF net.

VHF FM Net: Sunday 9 AM, 146.79MHz.

Bob Arrowsmith, K4JN, SK

Robert Arrowsmith, K4JN, a long-time member of QCWA Chapter 91, of national QCWA, and of the ARRL, became a silent key on 27 July 1999. He was born in 1914 and was native of Quincy, IL. First licensed as a teenager, he held amateur call signs W9DOT, W9ABS, K8BFI, WA4SDY, and W4JNN.

One of Bob's first jobs was as a dispatcher for the Illinois State police. That is where he became an excellent CW operator as all traffic was handled by that mode. He enjoyed chasing DX and rag-chewing with his friends. He always purchased the latest equipment and received great satisfaction in checking it out to see if it met advertised specifications.

He was a gentleman with a friendly, unassuming personality. He will be missed by his friends. A memorial service will be held in his home town of Quincy.

July Meeting

Twenty-one people (18 members and three guests) attended the 17 July meeting of Vic Clark Chapter 91 of QCWA at Neighbor's Restaurant in Vienna. President Terry Hines, N4ZH, presided.

QCWA is an international noncommercial association of radio amateurs organized for the promotion of interest in Amateur Radio communication and experimentation, for the establishment and advancement of the radio art, and of the public welfare. Qualifications for membership are that one currently is licensed as an Amateur, and was licensed at least 25 years ago (continuous licensing is not required). Everyone is welcome to join the local net and attend the chapter meetings.

Auction

Many thanks to Howard Bullock for bringing several years of QST magazines and an oscilloscope for our regular auction.

Field Day

Terry led a "debriefing" about our Field Day operations. (The results of our club performance were in last month's Auto Call.) The discussion indicated that we will have an expanded setup next year, not limit ourselves to QRP (although still use batteries), and be in a location where we can spend the night. We also may participate in the QRP Field Day activity next year.

Dick, KM4ML, brought his PSK31 Field Day setup and presented the basics of this new, interesting, and rapidly growing mode. He set the equipment up and gave a demonstration following the formal meeting.

Picnic

Our annual picnic will be our August meeting. We will meet on Saturday 21 August at the upper pavilion at Van Dyck Park in the City of Fairfax.. This annual event always has been most delightful and we expect it to be at least as good this year.

Field Trip to NRAO, Green Bank, WV

Some chapter members are interested in taking a field trip to the National Radio Astronomy

Observatory (NRAO) at Green Bank, WV. Would you be interested in seeing, for example, an antenna bigger than three football fields? The tours and demonstrations are interesting, and, believe me, the scenery in that area is magnificent. If we go there, it probably will be in October - maybe while there's color in the trees.

The Green Bank Telescope (GBT), the largest steerable single-dish telescope in the world, has surface dimensions of 100 meters by 110 meters. It can view the entire sky above 5 degrees elevation. The track on which it rotates is 200 feet in diameter and is level to within a few thousandths of an inch while bearing 15 million pounds. Talk about a real DX antenna! The other half-dozen or so antennas are no slouches, either.

Beams of laser light are reflected within the GBT's structure and to a series of ground stations. Derived data permit compensation for the effects of stresses such as gravity, wind, and temperature. The GBT's surface consists of 2,000 panels. Each panel has small motor-driven pistons used to adjust the surface precisely.

There is some really good information on the web about NRAO and the GBT. Check out <http://www.gb.nrao.edu/> and <http://www.astro.lsa.umich.edu/users/rhiannon/travel/gbt/index.html>.

Our Future

September: business meeting; possibly a slide presentation about a DXpedition. October: field trip? November: business, presentation, election of officers. December: annual Holiday Party.

ar 73 es gl de Jim W3WV



Reminder - all submissions for

AUTO CALL

are due no later than
the 1st of the month prior to the
month of publication!!



Shenandoah Valley Amateur Radio Club

Meetings: First and Third Friday of every month at 7:30 p.m. SVARC Club House 2921 Grace Street, Winchester, Virginia.

Repeater: 146.22 In/ 146.82 Out.

Net: Shenandoah Valley Emergency Net (SVEN) 7:15 daily on 146.22/146.82 Repeater.

Mailing: P.O. Box 139 Winchester, 22604.

President: Wayne Koehler, KE4PMS

Info: Wayne Koehler, 540-667-8629.

Internet home page: <http://www.vvalley.com/svarc>.

THE 49TH AND LAST BERRYVILLE HAMFEST DURING THE 1900'S

On behalf of the Shenandoah Valley Amateur Radio Club....I want to extend our thanks and appreciation to those of you who were able to attend the 49th Annual Winchester (Berryville) Hamfest. It was our pleasure to host and serve each of you during the 1900's and we are already looking forward to doing it again for the first time in the new millennium.

The weather man was not too mean and did provide a little breeze and some cloud cover that helped keep the temperature down for a good portion of the day. However, the "forecast" did take its toll on our gate attendance. Please do not forget us and maybe we can have an 80 degree (low humidity) day to start off the year 2000.

We also want to thank the many new vendors who experienced Berryville for the first time and hope to host you as well next year.

If your experience WAS NOT AS PLEASANT as you had hoped it would be, please give us the feedback. We will do our best to fix the problem. If you ENJOYED YOURSELF for anything in particular that we may have done, please let us

know, so we will be sure to keep doing it and tell other fellow "HAMS" so we may get an opportunity to help them remember their "Berryville Experience".

Club Members, please remember the Annual Family Day Picnic coming up on Saturday, September 11 at the Jim Barnett Park Lions Club Shelter. I have been told to announce that we will eat around 1:00PM to 2:00PM this year, because we were all starving by 4:00PM last year.

The Apple Harvest Festival is also approaching which is when we do the "Packet Set Up in the Park", to send messages per request. It will be on Saturday, September 18 this year and Brian Mawhinney WB3FUM is the event chairperson. The training team will begin the last class of 1999 on Wednesday September 29th at 7:00PM. This class is for Novice/Technician Theory and runs for 6 consecutive Wednesdays. Classes will be held at the SVARC Clubhouse at 2921 Grace Street in Winchester, VA. A VE Session will be given on November 10. Contact Fred Wetzels, W4KRT at 1-540-678-0394 or e-mail: hwetzel@adelphia.net

73 Until next time,
Guy/W3INT, Hamfest Chairman 1999
guy@visuallink.com



Sterling Park Amateur Radio Club

Meetings: 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.

Mailing: Call Box 599, Sterling, VA 20167.

Information: Bill Lorentz, KS4II, 703-444-6341 or via email KS4II@AOL.com.

Home Page: www.ql.net/sterling

Club Callsign: K4NVA

Early Field Day results show we made three fewer contacts than last year but, our point score

will be slightly higher due to bonus points. It was a good effort on everyone's part. Thanks to all once again.

We all had a good time at time at the Winchester Hamfest on August 1st. We sold nearly \$500.00 worth of top quality amateur radio equipment. Thanks to Ray Mullins, KD4RSL and Dick Maylott, W2YE for arranging for the table in the pleasant confines of the air conditioned Ruritan Building. Also, thanks to Dave Williams, K7HMP, Mike Sheleheda, KD4MTW Dick Maylott, W2YE and Bill Lorentz, KS4II for providing some of their fine previously owned equipment for sale at the table. I would like to see us have a club table at least once each Hamfest season. It is a good way to make a little money for the club and a great way to share those wonderful bargains we all find out in the tailgate area.

Remember, the annual SPARC Open House meeting will be held the third Monday in September.

73, Bill, KS4II



The Middle Atlantic FM and Repeater Council, Inc.

Meetings: Coordinating Committee (CC) meets the last Monday of each month, 19:30, in the conference room of the Prince George's County Emergency Operations Center.

Address: P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

Internet: www.T-MARC.org.

E-mail: TMARC@T-MARC.org

Officers: President – Larry DiAnna WA3KOK (410) 792-3494, ldanna@teamvideo.com. CC Chairman – Bill Conaway W8HNT (703) 425-3702, conaways@erols.com. Ombudsman – Jim Erickson K3LFO (410) 549-1041 k3lfo@erols.com. Public Info. Officer – Dave Prestel W8AJR (410) 203-9432 dprestel@sprintmail.com.

You Say You Want to Put Up a Repeater?

Getting a repeater coordinated is a two step process. First you must find a home and a frequency for your repeater. The home location is entirely up to you and your abilities of persuasion. Tall buildings and existing, commercial towers make very good sites, although they're rarely free. With the demand for cell antenna sites and pager antenna sites, almost everyone who owns something tall has discovered that they can collect monthly fees in return for mounting bits of aluminum. Once you have your home, you'll need to find out latitude, longitude, local elevation, height above average terrain, and height above ground level for your antenna site. Figure out your transmitted signal power in watts and the gain of your repeater's transmitting antenna. All of this information is used by the frequency coordinator in determining the likelihood of interference and you will not be granted a coordination unless all of the answers are supplied.

Next, you'll need to get an operating frequency. Once upon a time, that was a simple matter of monitoring a couple of apparently unused frequencies for activity, then notifying the coordinator of your plans. Unfortunately, because of the number of repeaters already coordinated, it's no longer that simple. Each coordinating group has established a set of guidelines for each band that take into account the effects of local terrain and known propagation conditions to establish minimum physical spacing between co-channel repeaters and adjacent-channel repeaters. Hence, your best is to contact your local coordinator, give him or her the parameters listed above, and ask them to recommend a frequency. In Maryland, Delaware, DC, and eastern Pennsylvania, contact Bill Conaway, W8HNT, who is listed in this column's header.

The repeater coordinators maintain detailed data bases on known repeaters and existing frequency requests. The local coordinator will pick a couple of likely candidate frequencies and post the request for review by adjacent coordinators. If

all goes well, you'll have a frequency pair and be granted a construction coordination within a couple of weeks. Once you have your construction coordination, you will have six months to get your repeater on the air and notify the coordinator, who will then grant a final coordination.

Why a construction coordination first? Because experience has shown that a great many planned repeaters have failed to materialize. Perhaps the site plans fell through, or the equipment investment proved to be too great, or perhaps the technical challenge was just too great. Since available repeater frequency pairs are in very short supply, use of the construction coordination is a practical conservation technique.



Vienna Wireless Society

Meetings: 7:30 pm the second and fourth Fridays of the month at the Vienna Community Center, 120 Cherry Street, S.E. (at Park Street), in Vienna, VA 22180.

Nets: Pow-Wow nightly at 9 pm on 28.444 MHz. Slow speed code, nightly 8:30 pm on 28.390 MHz. Vienna Emergency Net, Wednesday 7:30 pm 146.685(-).

Repeaters: K4HTA 146.685(-), 448.375(-).

Information: Steven Karty, N5SK, president, (703) 938-5454; Training: Kurt Wehle, WA4SMI, (703) 534-3905; Programs: Mike Steussy, AE4R, (703) 281-0010. Newsletter Editor and Media Representative: Jim Parsons, WA4LTO, (703) 392-0150.

Mailing: P.O. Box 418, Vienna, VA 22183

The VWS Meeting on 9 July 1999 was the first one this year back at the renovated Vienna Community Center, where we will continue to meet at least until the Vienna Elementary School reopens in September. Denis Catalano, W4DC, from the Woodbridge Wireless Club showed a videotape made during their HK/F DXpedition to San Andreas, a tiny Colombian resort island off the

coast of Nicaragua. They set up their contest station in a nearly-empty hotel and racked up almost 12,000 contacts during the contest and almost 19,000 contacts total. They still found time to enjoy the outstanding food at the hotel and to explore this relatively unknown tourist paradise. After a brief question-and-answer period, he concluded his presentation by showing the QSL cards they used. At the 23 July 1999 VWS Meeting, Mike Steussy, AE4R introduced our two speakers for the night: Al Brown, KZ3AB, Foundation for Amateur Radio (FAR) president, and Tony Young, WA3YLO, FAR vice-president. Al spoke about his vacation DXpedition to the Cayman Islands in the western Caribbean, using only what he could carry in a 40-pound suitcase, and mentioned how nice the local licensing authorities were to let him select his own callsign, ZF2AB. Tony noted that all VWS members are also FAR members because VWS is a member club of FAR. FAR administers over 70 amateur radio-related scholarships, two of which (for \$1,000 each) are sponsored by VWS. Tony suggested that we make his job of running FAR's survivor assistance program easier by documenting the present value of all our ham equipment. Tony reminded us that FARFest will be held at Prince George's Stadium, 1/4 mile South of the junction of US 50 and US 301 in Bowie, MD on Sunday, 26 September 1999.

Field Day Results: Mike Toia, K3MT said that our 2A operation netted us 4,808 points. Notable efforts included Bernie Steucker, K4XY and his 40M CW crew logging 688 QSOs and Ben Gelb, KF4KJQ working a QSO from the Russian MIR space station.

CURRENT & FUTURE EVENTS:

2 AUG - Monthly VWS Board of Directors' Meeting at 8 PM at the Tyson's Corner Pizza Hut.

13 AUG - Regular Meeting: Kent Hufford, KQ4KK (another learned guest from the Woodbridge Wireless), on the "Y2K" or Year 2000 problem and the radio amateur. Kent will give some examples of what Y2K issues any user of a computer might face with operating systems, programs, etc. He'll tell us about how we got into

this mess, how an individual can fix it himself for free, and give a handout of an "inventory" of what amateur products are compliant/not so compliant. He'll also talk about what the family needs to do to prepare for Y2K.

22 AUG - VWS President's Picnic, noon to 3 PM at Meadow Lane Park in Vienna, VA.

27 AUG - Regular Meeting: Featuring founding member Bill Moran, W4MIB, who will tell of his life's study on the "Voice of Wood." He makes and repairs violins and has long been interested in the sound qualities of wood. **10 SEP** ñ Regular Meeting: John Kanode, N4MM, ARRL Roanoke Division Director on ARRL topics, including insights on license restructuring.

24 SEP - Regular Meeting: Ted Cohen, N4XX on sunspot cycle effects and propagation prediction.

8 OCT - Regular Meeting: Ed Kesler on a topic TBA.

Winterfest 2000: The VWS has reserved space at Northern Virginia Community College for our yearly hamfest.

Some of Mike Steussy's Favorite Websites:

<http://www.amateurradio-far.org/>

This is the FAR Website which has pages that list member clubs, describe FAR scholarships, and of course mention FARFest. It'll be on 26 September 1999, at its new home in Bowie MD, at Baysox Stadium, home of the Bowie Baysox baseball team, near the intersection of US 301 and US 50, East of Washington, D.C. The FAR Website features an interactive color map of the new FARFest location. Don't go to Gaithersburg, whatever you do!

<http://bama.sbc.edu/>

This is K4XL's BoatAnchor Manual Archive (BAMA) Website, dedicated to providing copies of equipment manuals that are no longer available from manufacturers. "The manuals in this archive are available to all who enjoy working on and restoring old tube type amateur radio equipment and short wave receivers. This is a totally free cooperative service to the BoatAnchor community. It is made possible by the generous folks who take

the time and make the effort to scan and upload their manuals to the BAMA site."

<http://www.manualman.com/>

This is Peter Markavage's Website, where you might go if BAMA doesn't have your manual. Peter is a dealer in manuals for amateur equipment. His manuals are very reasonable in cost and high in quality. He comes to the FARFest and Timonium hamfests from his QTH in New Jersey. VWS members have had good luck in getting manuals from him in a timely manner.

73, Steven - N5SK N5SK@ARRL.NET



**Woodbridge
Wireless,
Inc.**

Meetings: Second Tuesday of each month at Springwoods and Chaucer, Lake Ridge, VA.
Net: Monday nights at 2000 on 147.24 with 224.78 link.

Packet: N4SR 145.63 (DX packet cluster)

Luncheon: Every Friday at noon. Check-in on 147.24 for location.

Repeaters: WB4FQR 147.24 (+), WB4FQR 224.78 (-), WB4FQR 444.90 (+), N4LJZ 147.585 simplex PL-100 HZ

Mailing: PO Box 112, Woodbridge, VA 22194

Information: Bob Graham, K4RG, 703/878-0697

Web Page: <http://www.pwcweb.com/wwi/>

REPEATER MOVE

Three of the Woodbridge Wireless repeaters will have to be moved sometime late this year because the water tower that the antennas are on is planned to be dismantled. A new site has been chosen and is about to be approved. Thanks to the repeater relocation committee, it really looks good. The challenge is coming up with the funds to actually make it happen.

The cost of new feed lines and antennas exceed

the money available in the club's treasury. So a major fund raising effort is underway. Tax deductible donations are being accepted from the amateur radio community at P.O. Box 112, Woodbridge, VA 22194. Woodbridge Wireless is a 501(c)(3) organization. For more information, call W4DAV at 703/ 670-4330.

WWI VOLUNTEER AWARD PROGRAM IN FULL SWING

The Woodbridge Wireless has instituted a Volunteer Award Program. The purpose of the program is to reward service to the club, and to encourage members to volunteer to support club activities. A committee was formed, and the president appointed Carl, WB4ZNH as the chairman. A point system was formulated so points are awarded to club members taking part in activities that the club wishes to encourage.

Because of the club expenses expected from

the repeater move, the actual rewards were scaled down to one for now - a club cup. Club members will need to earn 30 points to get a cup. The president will present cups to members having accumulated the 30 points at regular WWI meetings. This is a very attractive black cup with the WWI logo and the word Volunteer inscribed on both sides of the cup.

Club members can earn points to get a cup by coming to the club meetings (1 point each), volunteering to help at the parades (2 points), helping with the crew races (4 points), volunteering for the foot races (2 points), participating at Field Day (up to 6 points), participating in the mountain top VHF contest (4 points), chairing one of the club's committees - four are open (3 points), participating on one of the club's committees (2 points), or teaching radio class (2 points), just to name a few ways. The club hopes to increase the already great volunteering in Woodbridge Wireless events.

Greenbelt Labor Day Festival Special Event Station - September 4 & 5, 1999

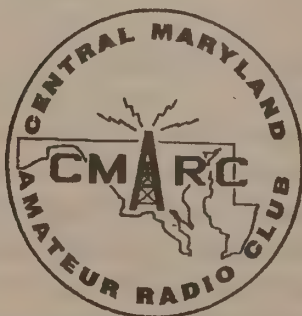
The Central Maryland Amateur Radio Club will operate the special event station, **KB3BLR**, at the Greenbelt Labor Day Festival, Greenbelt Center, Greenbelt, MD.

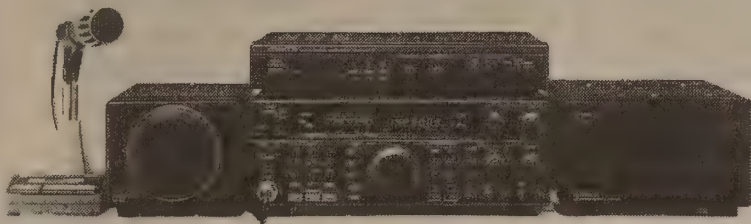
12 Noon through 10 pm EDT on Saturday, September 4th.

12 Noon through 8pm EDT on Sunday, September 5th.

Lower 25 kHz, General Class SSB segments of 80, 40, 20, 15 and 10 meters.

Certificate: Send QSO data and 8½" x 11" Self Addressed Stamped Envelope to:
CMARC, P. O. Box 788, Greenbelt, MD 20768-0788.





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Estate sales for Widows assistance handled by a FAR club will be published without cost.

Your full name and address must be provided with each ad but need not be published. No ads

will be accepted over the telephone and all ads must be prepaid. Ads that will be running for longer than 1 month must be accompanied by a letter stating the length that the ad is to be run. Since no effort is made to investigate advertisers, no warranty can be implied. Copy **MUST** be received by the 1st day of the month prior to the month of publication. Send all commercial and non-commercial advertising and Shack Sales to:

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FOR SALE: Bargain prices. Ameritron AL-811 600 watt amplifier, \$450.00. Vectronics model T-1500 watt antenna tuner \$175.00. Cushcraft R7000 10 thru 40 meters vertical antenna, \$175.00. You take down. All in excellent condition. Manuals and shipping cartons available. Call Carl, W4ACM at (703) 360-4373.

FOR SALE: Antennas - Alpha Delta single-wire sloper (DX-B) 160-30M, good condition (mount under beam or add capacitance hat) - \$30; Butternut Butterfly Beam (HF5B) 10-20M, needs tweaking - \$100. In Northern Virginia, call Walter, KU4XA at (202) 383-1177 (day) or (703) 941-7588 (eve).

FOR SALE: MFJ - Pacesetter Electronic Keyer Paddle, model J-422/422-X, mounted on chrome plated Bencher paddle. Never used, w/manual. \$50.00. George Mather, WA4AEI, (703) 765-9583.

FOR SALE: Kenwood HF transceiver model TS-930S/with mike mint cond. Make offer. John, K4AHS (703) 532-3246.

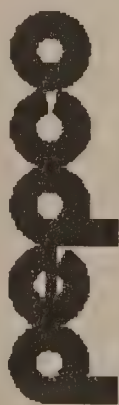
FOR SALE: Selling Out! Everthing must go. ICOM IC 736 HF/SOMHZ Transceiver \$750.00. AMERITRON AL-811 600 Watt Amplifier, \$600.00. VECTRONICS Model-T 1500 Watt Antenna Tuner, \$300.00. CUSHCRAFT R7000 10 thru 40 meters Vertical Antenna, \$300.00. All in excellent condition. Manuals and shipping cartons available. Prices are negotiable.. Call Carl, W4ACM at 703-360-4373

WANTED: Operator's Manual and any other associated information for a Kenwood Model TS-180S SSB Transceiver. Also need proper 4-pin microphone for this unit. Joe Koester, 1020 Huron Drive, Crossville, TN, 38555, 931-788-1360, jwkoe@itlinl.net

WANTED: (1) Vibroplex Deluxe Semiautomatic keyer in WWII battleship gray (2) J-36 military keys by Vibroplex, Bunnell, Lionel, etc. (3) Coast Guard / Navy RM or MM Radio Officer's speed key in carrying case — for private collection by senior Coast Guard officer. Also other straight keys / bugs / keyers with naval history and incomplete / broken bugs for restoration parts. wb4rhb@arrl.net

FOR SALE: Antenna Tuner MFJ 962 Versa Tuner 1.5 KW, new condition, \$60 firm. CW keys Bencher and straight, new condition, \$25 each firm. Sharp PC-4501 computer, 256K ram, 720K floppy, exc. cond. \$80/obo. Astatic mike, T-UG9 \$8. khenders@ix.netcom.com, (703) 780-2939. N4HAM.

WANTED: Geiger counters, Geiger tubes similar to Raytheon CK1026 or any other Geiger-Muller tubes or radiation type detectors or items. New/ Old/Working or non-working. Write to: Lee K3ECD, 6337 Evelyn St., Harrisburg, PA 17111-4206 or call (717) 564-4529 or e-mail K3ECD@worldnet.att.net. [06/99]



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[SWP]

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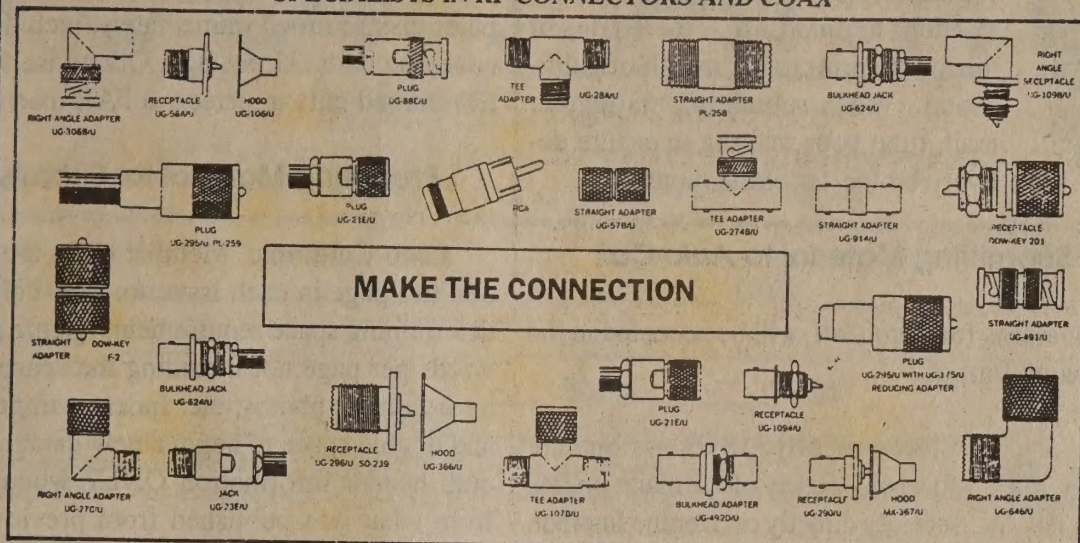
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Submissions for *Auto Call* will be accepted in the following formats:



Electronically: Submissions are accepted via any of the major on line services directly or over the Internet. Use the format exactly as follows:

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BitNet - johnqueen@aol.com@cunyvnm

CompuServe - INTERNET:johnqueen@aol.com

Connect - johnqueen@aol.com

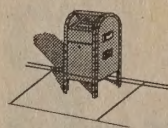
Delphi - internet"johnqueen@aol.com"

FidoNet - To johnqueen@aol.com<CR><CR>

GEnie - johnqueen@aol.com@inet#

MCI Mail - mbx: johnqueen@aol.com

Prodigy - johnqueen@aol.com



Regular Mail: Mail typewritten or computer generated hard copy to: John Queen, Editor, *Auto Call* Magazine, 755 Woodland Way, Owings, MD 20736. Ensure that your printed material is dark enough for scanning.



Computer Disk: Submissions are accepted on 3.5" or 5.25" computer disk, in either Macintosh or MS-DOS format, using Word, WordPerfect, or standard ASCII text files. Write your name, telephone number, and club name on the disk. Submit graphic files (club logos, etc) in an EPS or TIFF format. Please verify the readability of your com-

puter files before sending. If you want your computer disk returned immediately, include a SASE envelope with .32 postage. Otherwise, disks will be returned only in person at FAR meetings.

Preparing Material for Submission

Club Columns: Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page not including the space taken up by headings, photos, etc. Indent paragraphs .25" and double space to begin a new paragraph. Send club header information ONLY when different from what was published from previous month. The editor reserves the right to edit any submitted material for space, content and/or applicability.

Hamfests/Events: Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions of Hamfest ads will not be accepted.

Photographs: The editor will select the best photograph submitted for the cover each month. Photographs should depict club members, club stations, or amateur radio related events that are current and noteworthy. Clubs may also submit photographs for inclusion with their club column. Photographs will be used in columns when space permits. Either B&W or color photos can be used. For each photograph submitted, write your name, phone number, and club name, along with a description of the photograph on a piece of paper, and tape it on the back of the photograph. Do not write on the back of your photo. If you want your photos returned immediately, include a SASE envelope with sufficient postage. Otherwise, photos will be returned only in person at FAR meetings.



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Area Club Meetings - SEPTEMBER 1999

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 BARC Montgomery	2 Anne Arundel	3 Mobileers Charles Co. Shenandoah	4 Green Mtn.
5 Kent Island	6 DOSARC	7 Antietam	8 VOA FAR - VA Exp Post	9 Fauquier AMRAD MADRAS Mid-Atlantic Mt. Vernon HEMARC	10 Vienna So. Maryland Alexandria	11 North Point
12	13 Carroll Co. Potomac	14 Leisure Frederick Woodbridge	15 BARC Montgomery Goddard QCWA 137	16 Anne Arundel	17 Shenandoah	18 Capital City QCWA 91
19	20 OVHA Sterling Park	21 Antietam Arlington	22 Laurel Exp Post Moose	23 Laurel MADRAS St. Mary	24 Vienna Central MD	25
26 Adventist	27 Green Mtn. T-MARC Calvert	28 Columbia	29 Carroll Co.	30		



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